

ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID 1V1Y487-Z0109083116



Truss Fabricator
Job Identification
Truss Count
Model Code
Truss Criteria
Engineering Software
Structural Engineer of Record
Address
Minimum Design Loads

Anderson Truss Company

13-288--Premier Building /Becker Res Roof -- 337 sw rose creek drive

29

Florida Building Code 2010

FBC2010Com/TPI-2007(STD)

Alpine Software, Version 12.03.

The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC

Roof - 37.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 120 MPH ASCE 7-10 -Closed

12/09/2013

Notes

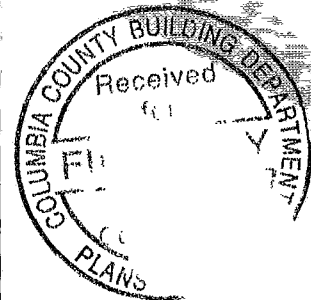
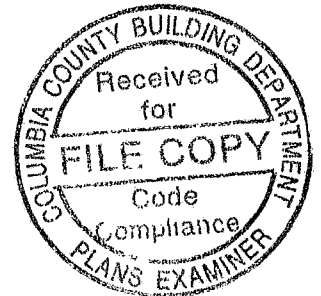
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

William H Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-12015EC1-GBLLETIN-GABRST10-12030EC1-CNNAILSP-

#	Ref	Description	Drawing#	Date
1	31211--A	20' Common	13343001	12/09/13
2	31212--AGE	20' Gable	13343002	12/09/13
3	31213--B	19' 4" Common	13343003	12/09/13
4	31214--BGE	19' 4" Gable	13343004	12/09/13
5	31215--C1	19' Common	13343005	12/09/13
6	31216--C2	19' Common	13343006	12/09/13
7	31217--C3	19' Common Gi	13343007	12/09/13
8	31218--CGE	10' Gable	13343008	12/09/13
9	31219--CGE1	19' Gable	13343009	12/09/13
10	31220--CJ1	1' Jack	13343010	12/09/13
11	31221--CJ3	3' Jack	13343011	12/09/13
12	31222--CJ5	5' End Jack	13343012	12/09/13
13	31223--D	31' 8" Common	13343013	12/09/13
14	31224--D1	20' 4" Common	13343014	12/09/13
15	31225--DGE	31' 8" Gable	13343015	12/09/13
16	31226--E1	27' 6" Special	13343016	12/09/13
17	31227--E2	28' Mono	13343017	12/09/13
18	31228--E3	28' Mono	13343018	12/09/13
19	31229--E4	28' Mono Hip	13343019	12/09/13
20	31230--EJ7	7' End Jack	13343020	12/09/13
21	31231--H11	27' 6" Stepdo	13343021	12/09/13
22	31232--H11A	28' Mono Hi	13343022	12/09/13
23	31233--H13	27' 6" Stepdo	13343023	12/09/13
24	31234--H13A	28' Mono Hi	13343024	12/09/13
25	31235--H7	27' 4" Stepdow	13343025	12/09/13
26	31236--H9	27' 6" Stepdow	13343026	12/09/13
27	31237--HJ7	9' 10" 13 Hip	13343027	12/09/13
28	31238--MH7	28' Mono Hip	13343028	12/09/13
29	31239--MH9	28' Mono Hip	13343029	12/09/13

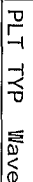


THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1(+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50



Design Crit.	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

12 03 04 0326.13

QTY:10 FL/-/4/-/-/R/-

Scale = 25"/Ft

ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0278

[illegible]

12/09/2013

TC LL	20 0 PSF	REF	R9114- 31211
TC DL	7 0 PSF	DATE	12/09/13
BC DL	10 0 PSF	DRW	HCU8R9114 13343001
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	335792
DUR.FAC	1 25	FROM	JMW
SPACING	24 0"	JREF-	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Webs 2x4 SP #3-13B

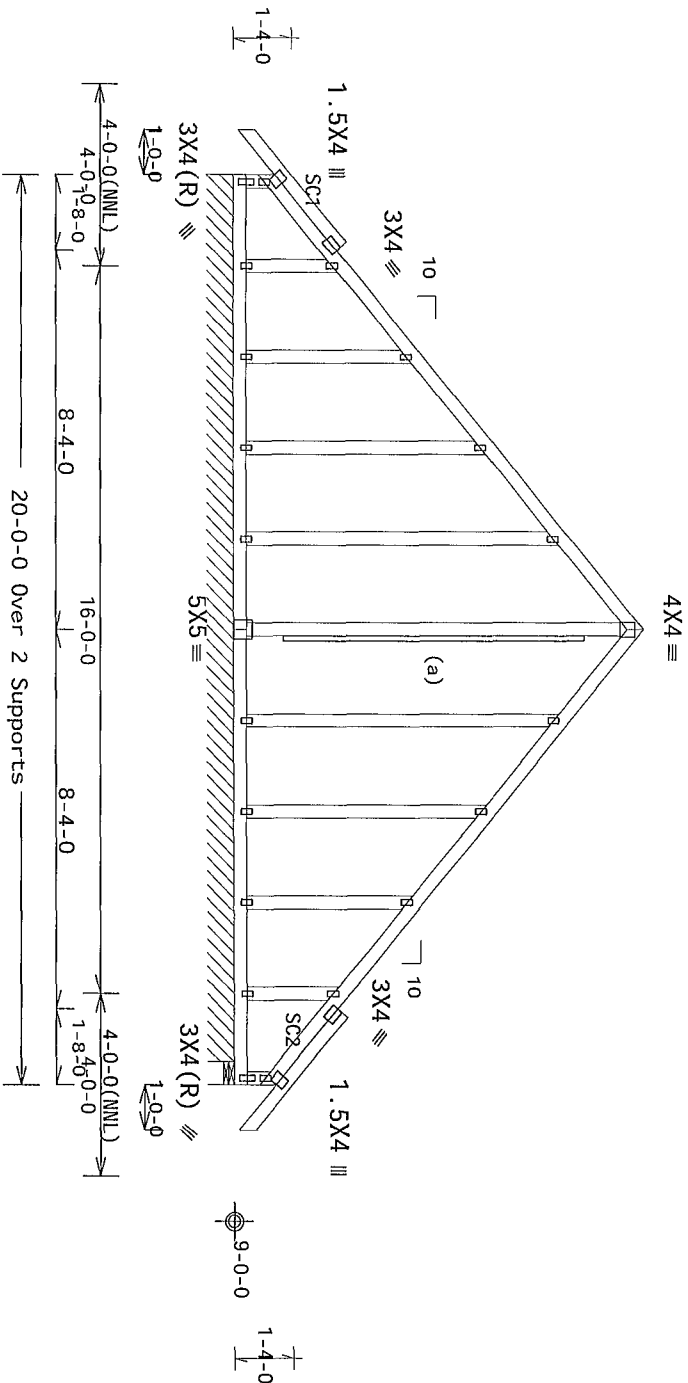
Stack Chord SC1 2x4 SP #1-13B Stack Chord SC2 2x4 SP #1-13B

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements

(a) 1x4 #3SRB SPF-S or better "L" brace 80% length of web member
Attach with 8d Box or Gun (0 113"x2 5 ,min)nails @ 6" OC

Deflection meets $L/240$ live and $L/180$ total load Creep increases Factor for dead load is 1.50



120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf $G C P i (+/-) = 0.18$

Wind loads and reactions based on MMFRS with additional C&C member design

Gable end supports 8" max rake overhang

Stacked top chord must NOT be notched or cut in area (NML). Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6

Fasten rated sheathing to one face of this frame

PLT TYP	Wave	Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
Note	All Plates Are 1 5X3 Except As Shown		

	QTY:	FL/-/4/-/-/R/-
12	03	0326 13

Scale = 25"/Ft.

R=79 PLF U=1 PLF W=19-6-0
RL=9/-9 PLF

R=147 U=45 W=6" (6" min)

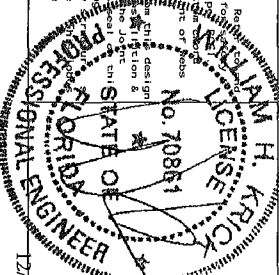
ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0278

****IMPORTANT**** *******"MAYN ING"** READ AND FOLLOW ALL NOTES ON THIS SHEET*****
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trustees require extreme care in fabricating, handling, shipping, installing and bracing
Follow the latest edition of BCSI (Building Component Survey) Information on TP1 and WTCA)
practices prior to performing these functions. Installers shall provide temporary bracing
Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom
shall have a properly installed per BCSI section 8C, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBGI) shall not be responsible for any new act or
failure to build the truss in conformance with ANSI/TPI-1 or for handling, shipping, installing and on
drawing of trusses. Apply plates to each face of truss and post on as shown above and on
drawn or cover plate listing its drawing number and dates acceptance of process and engineering
responsibility solely for the design shop. The sub liability and use of this design for any
reasons be liable of the building designer. Per ANSI/TPI-1 Sec 2. For more information on see
general notes page ITW BCG www.itwbcg.com TPI www.tpi.net.org WTCA www.sbcindustry.com
www.localsteel.org



12/09/2013

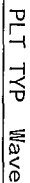
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TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCUR9114 13343002
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	336034
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
- B 19'4" Common)

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50



12.03.04.0326.13

Scale = .25" / Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating and handling, and installing and bracing them is a critical task. The contractor should be responsible for obtaining and reviewing the design and erection drawings for the trusses to ensure that they are in accordance with the design and erection drawings. The contractor should also ensure that the trusses are properly braced and supported during erection and installation. The contractor should also ensure that the trusses are properly braced and supported during erection and installation. The contractor should also ensure that the trusses are properly braced and supported during erection and installation.

ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

17M-Bldg Inc Compustore Group Inc. (17MBG03) shall not be responsible for any civil action
any failure to build the trusts in conformance w/ the ANSI/TPI-1 or for handling shipping
charges of trustees. Apply plates to each set of trusts and post to on as shown above and on
back is unless noted otherwise. Refer to draw ngs 180A-2 for standard details point on
Drawings of the Building Designer. The availability and use of this information for any
responsibility solely for the design shown. The availability and use of this information for
the responsibility of the Building Designer per ANSI/TPI-1 Sec 2. For more information see
general notes page 17M-BG03 www.17mbg.com www.tlmbg.com www.printer.org www.stcindustry.com
CIC www.17cic.com WTC www.stcindustry.com

TC LL	20.0 PSF	REF	R9114- 31213
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCUSR9114 13343003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335782
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1Y487_Z01

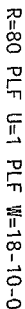
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

Webs 2x4 SP #3-13B

Gable end supports 8" max rake overhang

Stacked top chord must NOT be notched or cut in area (NML) Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o c Center plate on stacked/dropped chord interface, plate length perpendicular to chord length Splice top chord in notchable area using 3x6

Fasten rated sheathing to one face of this frame



R=138 U=47 W=6" (6' min)

Design Crit FBC2010Com/TP1-2007(STD)

$$\text{FT/RT} = 10\%(0\%) / 0(0)$$

12 08 04 0326 13

QTY:1 FL/-/4/-/-/R/-

Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT****
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing.

Follow the latest edition of BCS1 (Building Component Safety Information by TPI and WTCa) prior to performing these functions. Installers shall provide temporary bracing

Unless noted otherwise, all top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing.

shall have a properly attached ceiling. Locations shown for permanent (ceiling) fasteners shall have bracing installed per BCS sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from

any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping bracing of trusses. Apply plates to each face of truss and position as shown above and on

Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions. A drawing of cover and listing this drawing indicate acceptance of project and indicate

responsibility solely for the design shown. The suitability and use of this design for any

the response by the Building Design Group per ANSI/TPI 1 Sec 2 For more information see
general notes page ITW-BCG www.itwbcg.com TPI www.tpiinst.org WTCA www.sbcindustry.com

ICC www.iccsafe.org

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom. Inside the ring, the name "WILLIAMS, JR. WILLIAM H." is written along the top curve, and the license number "No. 70861" is in the center. A star is positioned below the license number. The seal is partially obscured by a dark, irregular shape.

12/09/2013

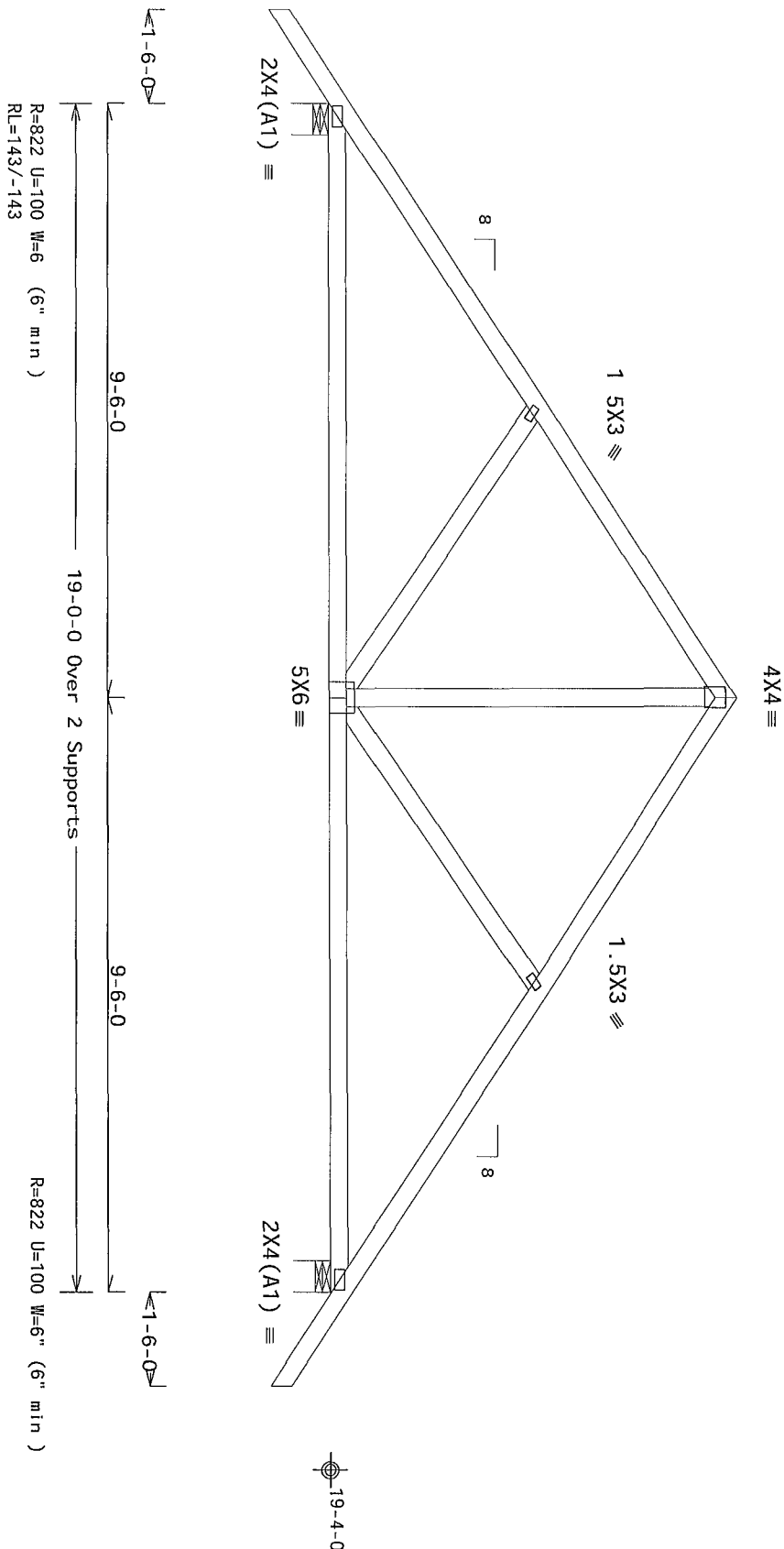
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BC	DL	10.0	PSF	DATE	12/09/13
BC	LL	0.0	PSF	DRW	HCU89114_1334300
TOT	LD	37.0	PSF	HC-ENG	WHK/WHK
DUR.	FAC.	1.25		SEQN-	336029
SPACING	24.0"			FROM	JMMW
				JREF	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 22 37 ft mean hgt, ASCE 7-10, CLUSED bldg, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

Deflection meets $L/240$ live and $L/180$ total load Creep increases factor for dead load is 1.50



Wave	Design Crit	PLT Typ
	FBC2010Com/TP1-2007(Std)	
	FT/RT=10%(0)/0(0)	

12 03:04:0326 13

QTY:1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

ALPINE

ITV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** ****WARNING**** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 FURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS
 Trussing, rafter or extreme care in rafter, cat, rafter, shipping, installing and bracing
 follow the latest edition of BCSI (Building Component Safety) Information on (by TPI and WTCO)
 practices prior to performing these functions. Installers shall prove temporary bracing
 methods used otherwise, top chord shall have properly attached structural sheathing and bottom
 shall have a properly installed per BCSI sections 8.5 bracing. Lateral bracing and bottom
 shall have bracing installed per BCSI sections 8.5 bracing or as applicable
 I/TW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from
 any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping or
 bracing of trusses. Apply plates to each face of trusses and post on as shown above and on
 drawing or cover plates listing this design and includes acceptance of professional engineering
 responsibility solely for the design shown. The suitability and use of this design for any other
 responsibility for the Building Designer per ANSI/TPI 1 Sec 2. For more information on see
 General notes page I/TW-BCSI www.tlwbog.com TPI www.tlwbog.com WTCO www.sbcindustry.com
 ITC www.ccsafe.org

The seal is circular with a double-lined border. The outer ring contains the text "WILLIAM H. KRUCK" at the top and "PROFESSIONAL ENGINEER" at the bottom. The inner ring contains "STATE OF FLORIDA" at the top and "No. 70861" at the bottom. The center of the seal features a five-pointed star. A diagonal line is drawn across the seal from the bottom left to the top right. The date "12/09/20" is written in the bottom left corner of the page.

12/09/2013

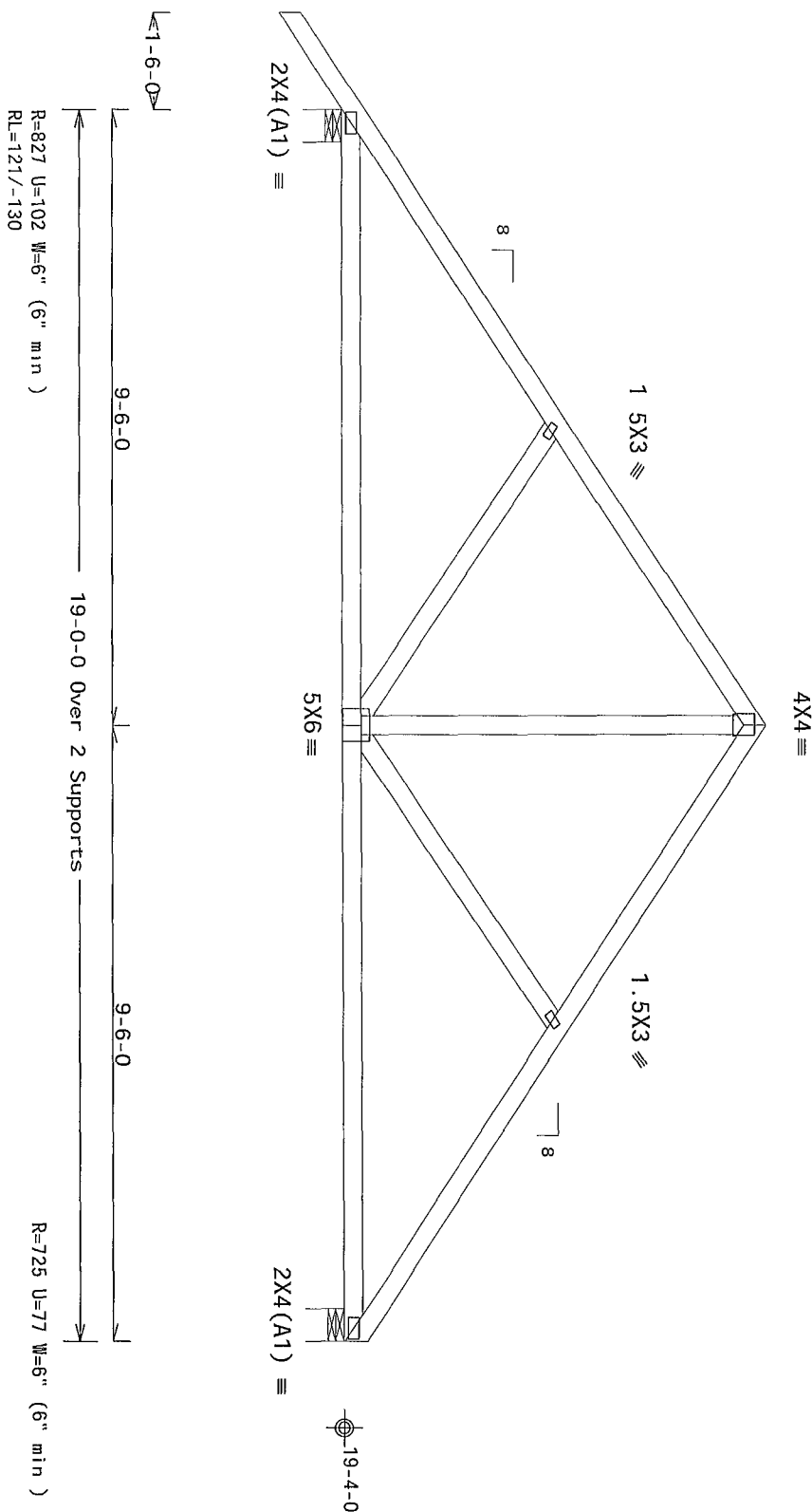
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TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCU9R114 13343005
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	336059
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 22 37 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf Gcpl (+/-)=0 18

Wind loads and reactions based on MNFRS with additional C&C member design

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50



PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD)	FT/RT=10%(0%)/0(0)

12 03 04 0326 13

QTY:1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc
Orlando FL, 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing, and bracing. The contractor shall follow the latest edition of BCSI (Building Component Safety) information on by TPI and WFOA. Installers shall provide temporary bracing per BCSI and shall not otherwise perform these functions. Inspectors shall provide structural shooting and bolting. Braces must have a properly attached rigid end connection. Locals were shown for permanent lateral restraint shall have brace installed per BCSI section 83, 87 or 810 as applicable.

ITW Building Components Group Inc. (ITTBOCS) shall not be responsible for any dev at on from
any f tur to build the truss in conformance w th ANSI/TPI 1 or for handling sh pping
drawing of trusses. Apply plates to each face of truss and posit on as shown above and on t
drawing of cover gages listing the drawing number and codes acceptance of pretress on all engineering
respos b l ty of the des on show. The su abn lity and use of this drawing for any
the respons b l ty of the Building Des gner. For more informat on see
general notes page ITW BCG www.itwbcg.com TPI www.tpi.net org WIDA www.sdc-industry.com
IGC www.ccsaite.org

LIBRARY

TC DL 7.0 PSF

DATE 12/09/13

BC DL	10.0 PSF
BC 11	0.0 PSF

DRW HCUSR9114 133430

BC LL	0.0 PSF
TOT. LD.	<u>37.0 PSF</u>

HC-ENG WITH/ WITH
SEQN- 336049

DUR.FAC. 1.25

FROM JMW

SPACING 24.0"

JREF- 1V1Y487_20

Top chord	2x4	SP	M-30
Bot chord	2x6	SP	SS-13B

Special loads

	Sur	Fac	=1	25 /	Plate	Sur	Fac	=1	25)
-----Lumber	57	pif	at	-1	50	to	57	pif	at
TC-From	28	pif	at	-7	06	to	28	pif	at
TC-From	57	pif	at	9	50	to	57	pif	at
TC-From	57	pif	at	9	50	to	57	pif	at
BC-From	5	pif	at	-1	50	to	5	pif	at
BC-From	20	pif	at	0	00	to	20	pif	at
BC-From	10	pif	at	7	06	to	10	pif	at
BC-From	10	pif	at	10	00	to	10	pif	at
BC-2317	52	lb	Conc				Load	at	7
BC-1066	96	lb	Conc				Load	at	9
BC-1071	77	lb	Conc				Load	at	11
							06,13	06,15	06,17
							06		06

Nail Schedule 0 131"x3", min nails
Top chord 1 Row @12 00" &

top chord	1	row	@ 12	00	0	c
Bot Chord	1	Row	@ 3	75"	0	c
Webs	1	Row	@ 4	"	0	c

120 mph wind, 22 37 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK Cat II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp(1+/-)=0 18

Wind loads and reactions based on MMFRS

Deflection meets L/240 live and L/180 total load Creep increase
Factor of 2 for dead load is 1.50

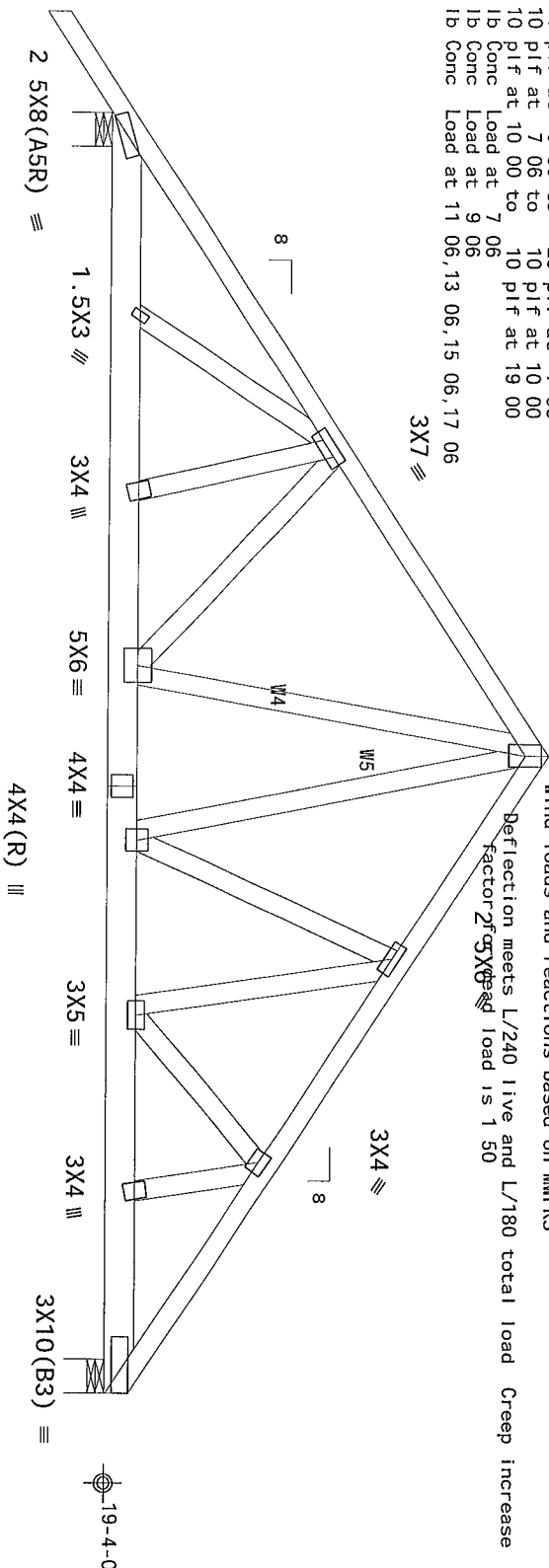


Diagram showing the elevation of a beam with the following dimensions and properties:

- Left span: 9'-6" 0
- Right span: 9'-6" 0
- Clear span: 19'-0" 0 Over 2 Supports
- Properties: $R=3868$ $U=540$ $W=6"$ (6" min)
- Reactions: $RL=121/-130$ (Left), $R=5167$ $U=467$ $W=6"$ (6" min) (Right)

PLT TYP	Wave
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Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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12 Oct 04 0326.13

QTY:1 FL/-/4/-/-/-/R/-

Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** ****WARNING**** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 Trussess require extreme care in fabricating, handling, shipping, installing and bracing. **PLEASE TURN THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**
 Follow the latest edition of BCSI (Buildup Component Safety Information) from BPI and WTCA. Installers shall provide temporary bracing practices prior to performing these functions. Insulators shall have properly attached structural sheathing and bracing. Sheathing shall be properly installed per BCSI sections 8.5, 8.7 or 8.10 as applicable.
 BPI Buildup Components Group Inc. (BCECO) shall not be responsible for any new action or omission if any contractor or subcontractor does not follow the design and specifications above and on details, unless noted otherwise. Refer to the indicated accessories or professional responsibility solely for the design shown. The suitability and use of this design for any purpose is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page TPI-B300. www.bcbcg.com tpi.prhst.org wta.wtaindustry.com www.stcindustry.com cc.leaseable.org

12/09/2013

TC LL	20.0 PSF	REF	R9114- 31217
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCSR9114 13343007
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	336338
DUR. FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Webs 2x4 SP #3-13B

.....



Design Crit FBC2010Com/TP1-2007(STD)

BC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

3	QTY:1
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Scale = .5"/Ft.

Trusses require extreme care in fabricating handling shipping and installation.

ITW Bu | d na Components Group | nc (ITWBCG) sha | | not be reasonab | e for a

bracing of trusses. Apply plates to each face of truss and position as shown.

responsibility solely for the design shown. The suitability and use of the drawing or cover page list in drawing indicates acceptance of professional responsibility by the drafter.

general notes page	ITW-BGC	www.tbwbcg.com	TP1	www.tpinst.org	WTCA	www.wtca.org
the responsible way of the building designer	per ANSI/IF1	300.2	For more			

1000

FL COA #0278

SPACING

JREF- 1V1Y487_201

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

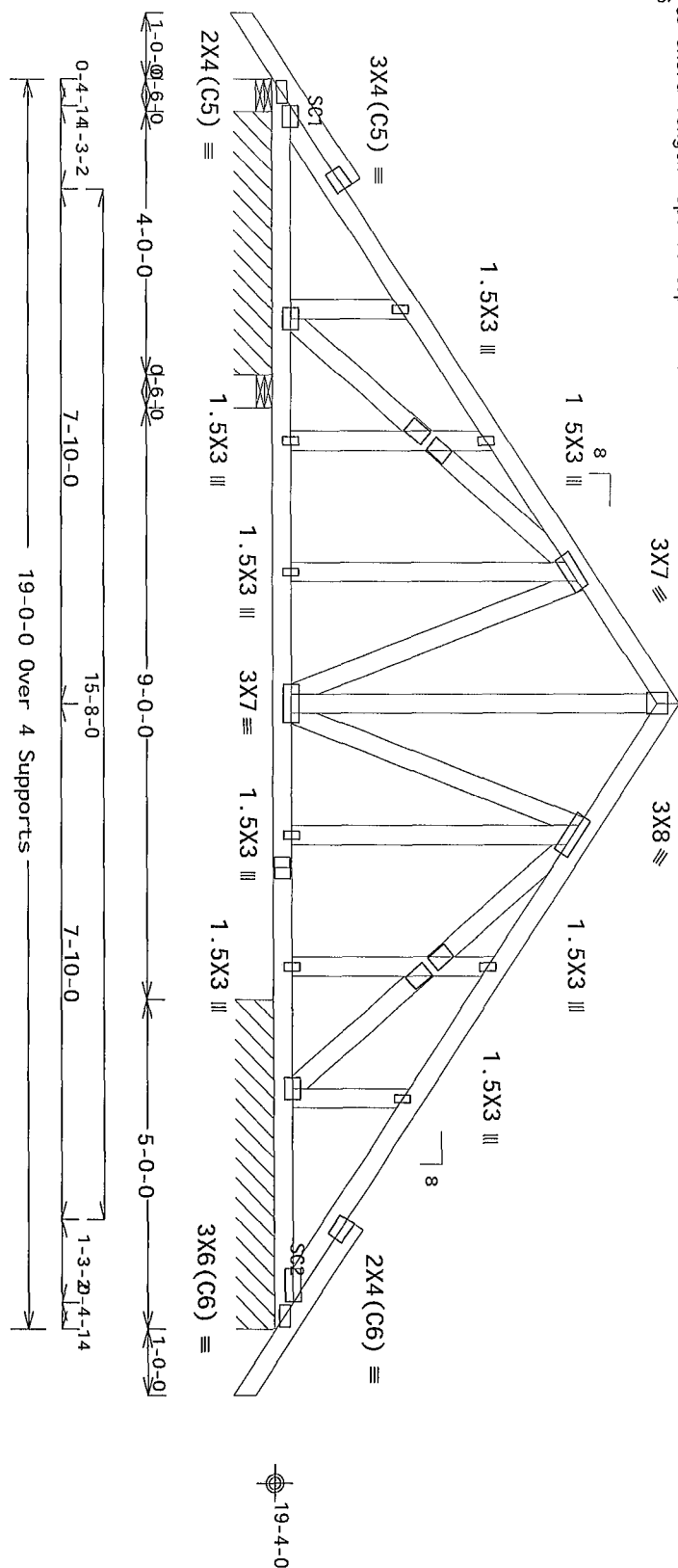
Webs 2x4 SP #3-13B

Chord Sci 2x4 SP

© 2013 by ALSC

ments

In lieu of structural panels use purlins to brace LC @ 24" OC
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



R=360 PLF U=55 PLF W=5-0-0

12.034006326.13 QTY:1 FL/-/4/-/R/- Scale = .375"/Ft.

TC LL	20 0 PSF	REF R9114- 31219
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ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

Legalis unless noted otherwise. Not to draw any BULK-2 for standard plate positions unless drawing or cover page listing the design drawing indicates acceptance of product, any engineering responsibility solely for the design shown. The suitability and use of the design for any other purposes is the responsibility of the user. For more information see per ABS/TP1 Sec 2. **WTC** www.sbc-industry.com
general inquiries **188-800** www.tncc.com **TP1** www.tpnst.org
USC www.legislatio.org

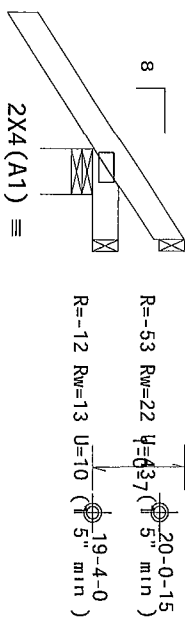
TC LL	20 0 PSF	REF R9114- 31219
TC DL	7 0 PSF	DATE 12/09/13
BC DL	10.0 PSF	DRW HCSR9114 1334300
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37 0 PSF	SEON- 336014
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1Y1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Deflection meets $L/240$ live and $L/180$ total load Creep increases factor for dead load is 1.50

120 mph wind, 19.54 ft mean hgt ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf $G_{Cp1}(+/-)=0.18$



1-6-0
1-0-0
Over 3 Supports

R=234 U=41 W=6' (6' min)
RL=33/-24

PLT TYP	Wave	Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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ALPINE

ITW Building Components Group Inc
Orlando FL, 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tennesson requires extreme care in fabricating and handling all piping metal and brazing. Follow the latest edition of BCGI (Building Component Safety) information by IP and WPCA practices as per or to performing those functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bolts shall have a properly attached r-ig d or 1 ng. Local ones shown for permanent lateral restraint shall have brace ng metallic per BCGI sect one 83, 87 or 810 as applicable.

[illegible]

WILLIAM H. KRICK
LICENSE

~~12/09/2013~~

TC LL	20 0 PSF	REF	R9114- 31220
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	H09R9114 13343010
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	336312
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1Y487_Z01

(13-288--Premier Building /Becker Res Roof -- 337 sw rose creek drive Lake City - C/J 3 Jack)

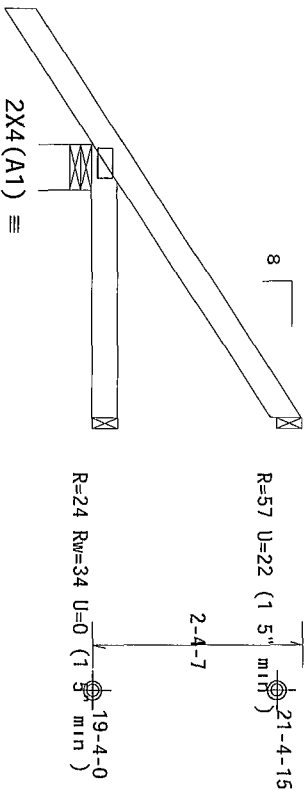
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50

120 mph wind, 20.20 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC
DL=5.0 psf Gcpi(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member
design



← 1-6-0 →

← 3-0-0 Over 3 Supports →

R=243 U=21 W=6' (6" min)
RL=62/-31

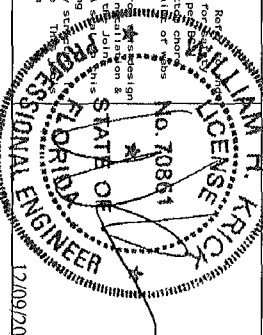
PLT TYP Wave
Design Crit FBC2010Com/TP1-2007 (STD)
FT/RT=10%(0%)/0(0)

12/09/2013 QTY: 6 FL/-/4/-/R/- Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0278

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Before installation, the truss manufacturer shall provide the following information to the installer:
1. Truss design drawings showing all connections, bracing, and other details.
2. Truss load capacity and deflection limits.
3. Truss handling and bracing instructions.
4. Truss installation instructions.
5. Truss maintenance instructions.
The installer shall follow all instructions and maintain proper handling and bracing throughout the installation process. The installer shall also ensure that the truss is installed in accordance with the design drawings and all applicable codes and standards.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design drawings or for any failure of the truss system. The installer shall be responsible for ensuring that the truss system is installed and maintained in accordance with the design drawings and all applicable codes and standards.
For more information on ITWBCG products and services, visit our website at www.itwbcg.com or call 1-800-368-7263.



TC LL	20.0 PSF	REF R9114- 31221
TC DL	7.0 PSF	DATE 12/09/13
BC DL	10.0 PSF	DRW HCUR9114 13343011
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD.	37.0 PSF	SEQN- 336321
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
- CJS 5 End Jack)

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50

120 mph wind 20.87 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within a 50 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

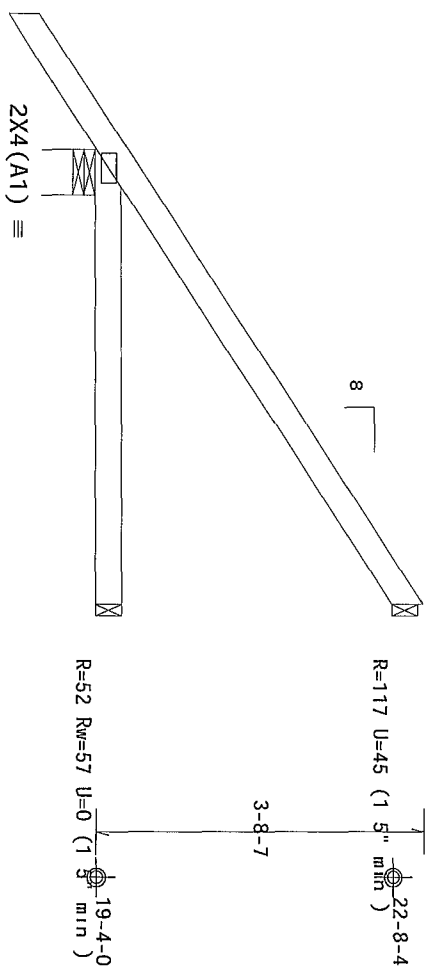


Diagram of a continuous beam with three supports. The beam is divided into four segments: 1-6'-0" (over the first support), 5-0'-0" (between first and second support), 5-0'-0" (between second and third support), and 0-11'-8" (over the third support). The total length is 12'-0". Below the beam, the text reads: R=307 U=17 W=6" (6 min) RL=92/-38.

PLT TYP. Wave

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

12.03.04.0326.13

QTY:6 FL/-/4/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

--IMPORTANT-- UNUSUAL THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tsunas require extreme care in fabricating, handling, shipping, installing and bracing to follow the latest steeling code of BCOS (But all Compartment Safety Information on by TPI and WITCA) practices prior to performing these functions. Installers shall provide temporary bracing until truss needed otherwise, such condition shall have properly attached structural sheathing and bracing. The design of the trusses shall be approved by the local building department. All structural details shall have been pre-qualified per BCOS' section 85, 87 or 810 as actual cable.

All Building Components Group Inc. (BTBGCOS) shall not be responsible for any delay on from any failure to build the truss in conformance with ANSI/TPI-1 or for handling, rigging, shipping or bracing of trusses. Apply plates to each face of truss and post it on as shown above and on drawings unless noted otherwise. Refer to drawing BTBGA-2 for standard brace post connections. The design of the trusses shall be approved by the local building department. All structural details shall have been pre-qualified per ANSI/TPI-1 and Section 85, 87 or 810 as actual cable.

The responsibility to build the truss and post it on as shown above and on drawings rests with the contractor. The responsibility to build the truss and post it on as shown above and on drawings rests with the contractor.

General notes page 1TWA-BGOS www.tlwbog.com TPI www.tpinet.org WITCA www.sbcindustry.com
www.ccsafe.org

12/09/2013

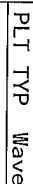
TC LL	20.0 PSF	REF	R9114- 31222
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCU9114 13343012
BC LL	0.0 PSF	HC-ENG	WHK/WMHK
TOT LD.	37.0 PSF	SEQN-	336309
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

120 mph wind, 24 48 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCp1(+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50



Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
-------------	--

12 03:04:00.26 13

QTY.1

FL/-/4/-/-/R/-

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc
Orlando FL, 32837
FL COA #0 278

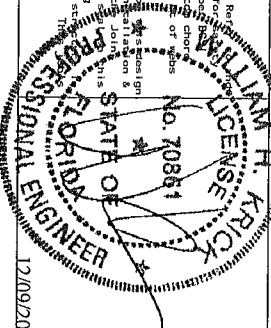
****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tensioning equipment came from a fabricating shop handling all piping, installing and erecting follow the latest edition of BCS1 (Building Component Safety Information by TPI and WITCA) practices noted or to perform per these functions. Installers shall provide temporary bracing devices not otherwise top chord shall have properly attached structural sheathing and bolting properly attached per BS01 section 87, 89 or 91 as applicable.

ITW Building Components Group, Inc. (IMB003) shall not be responsible for any deviation from drawings or specifications. The drawings are shown above and on the back of this drawing. All dimensions shall be taken from the drawings as shown above and on the back of this drawing. No alterations or changes shall be made without written approval. Details unless noted otherwise. See Section 1604-2.1 for details and acceptance of professional seal indicating responsibility solely for the design designer. The seal title and use of this design for any other project is prohibited. The building Designer per ANSI/TPI Sec 2. For more information see general notes page ITW-BG www.itwbcg.com TPI www.tpinet.org WITCA www.stcindustry.com

ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R9114 - 31223
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCUSR9114 13343013
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	336061
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1Y487_Z01

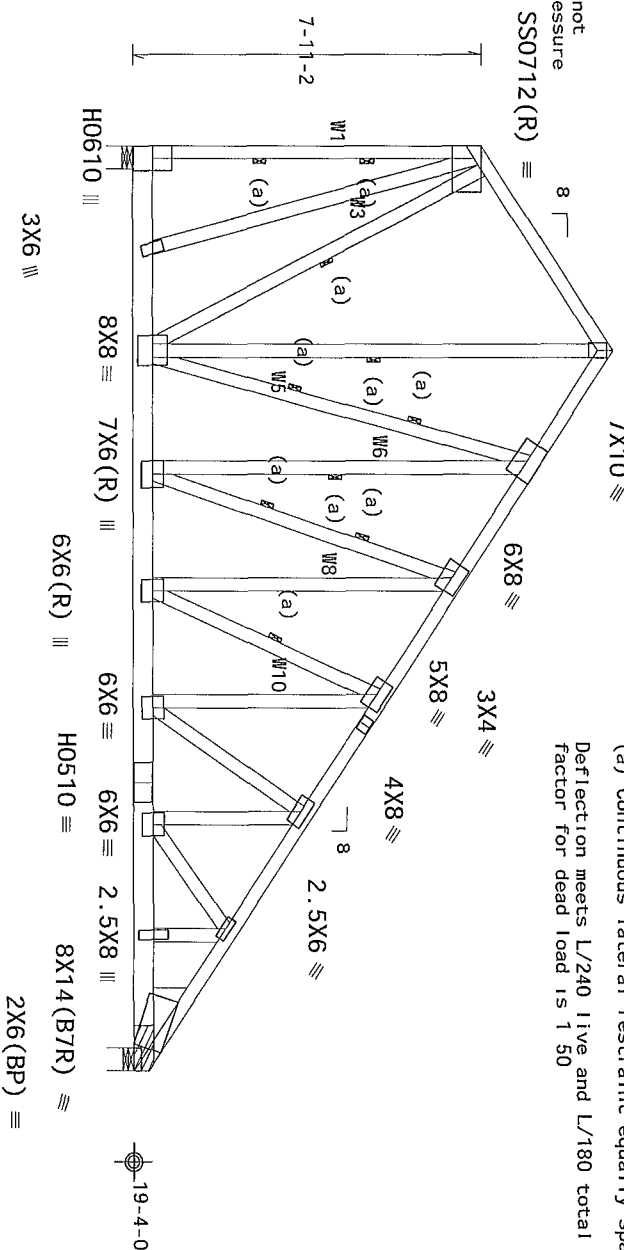
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER (Girder)

Lumber grades designated with "13B use design values approved 1/30/2013 by ALSC

$$4X5(R) \equiv$$
Wind loads and reactions based on
MMFRS

Left end vertical not exposed to wind pressure

SS0712(R)



R=5658 U=321 W=6" (6" min)

R=6199 U=425 W=6" (6" min)

PLT TYP.	20 Gauge HS, 18 Gauge HS, Wave	Design Crit	FBC2010Cm/TP1-2007(STD), FT/RT=10(%) /0(0)
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12. 03.04.0325.13

QTY:1 FL/--/4/--/--/R/--

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

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Special loads
-----
TC-From      Dur Fac =1 25 / Plate Dur Fac =1 25)
              57 pif at 0 00 to 57 pif at 4 50
TC-From      57 pif at 4 50 to 57 pif at 20 33
BC-From      10 pif at 0 00 to 10 pif at 20 33
BC-1049 82 lb Conc Load at 1 60, 3 60, 5 60, 7 60
9 60, 11 60, 13 60, 15 60, 17 60, 19 60

Brg blocks 0 131"x3', min nails
2 brg x-loc #blocks length/b1k #nails/b1k wall plate
2 19 833' 1 12" 4 Rigid Surface
Refer to drawing CCMALLSP0109 for more information

(a) Continuous lateral restraint equally spaced on member

Deflection meets L/240 live and L/180 total load Creep increase
Factor for dead load is 1 50

```

A circular professional seal for William J. Beck, a Professional Engineer in the State of Florida. The seal features the text "WILLIAM J. BECK" around the top inner edge, "PROFESSIONAL ENGINEER" around the bottom inner edge, and "STATE OF FLORIDA" in the center. The number "No. 70861" is prominently displayed in the middle. A five-pointed star is located between the words "STATE" and "OF". The seal is stamped over a document containing text about a "Report for Bill Beck" and a "check of records" from the "Florida Department of Transportation".

12/09/2013

TC LL	20.0 PSF	REF	R9114-31224
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCHSR9114_13343014
BC LL	0.0 PSF	HC-ENG	WHK/WMHK
TOT. LD.	37.0 PSF	SEQN-	336333
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

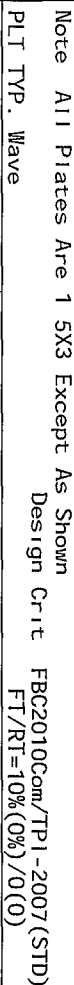
120 mph wind, 24 47 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf G_{cp1}(+/-)=0 18

DL=5 0 psf GCp1 (+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design

Truss spaced at 24 0" OC designed to support 2-3-0 top chord
outlookers Cladding load shall not exceed 10 00 PSF Top chord must
not be cut or notched

(a) 1x4 #3S8B SPF-S or better "L" brace 80% length of web member Attach with 8d Box or Gun (0 113"x2 5",min) nails @ 6" OC



QTY:1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** ****WARNING**** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 These require extreme care in fabricating and handling all piping, metal and bracing
 Follow the latest ed. of one of BCSP (Building Component Safety Information by TPI and WTC) and
 practice per or to performing these functions. Insulators shall provide temporary bracing
 unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing
 shall have a properly installed per BCSI section. Locations shown for permanent lateral restraints per B7 or B10 as applicable
 all have bracing indicated per BCSI section.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any dev. action
 any failure to build the truss in conformance with the ASHRAE 150.4 or for handling any piping
 drawing or cover panel relating to the drawing. Notes and cautions accompanying professional engineering
 the responsibility solely for the design shown. The suitability and use of this design for any
 general notes page ITW BCG www.itwbcg.com TPI www.tpi.net WTC www.sdcindustry.com
 CC www.ccsd.org

TC LL	20.0 PSF	REF	R9114- 31225
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCSR9114 13343015
BC LL	0.0 PSF	HC-ENG	WMH/WMH
TOT LD.	37 0 PSF	SEQN-	336024
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V1Y487_Z01

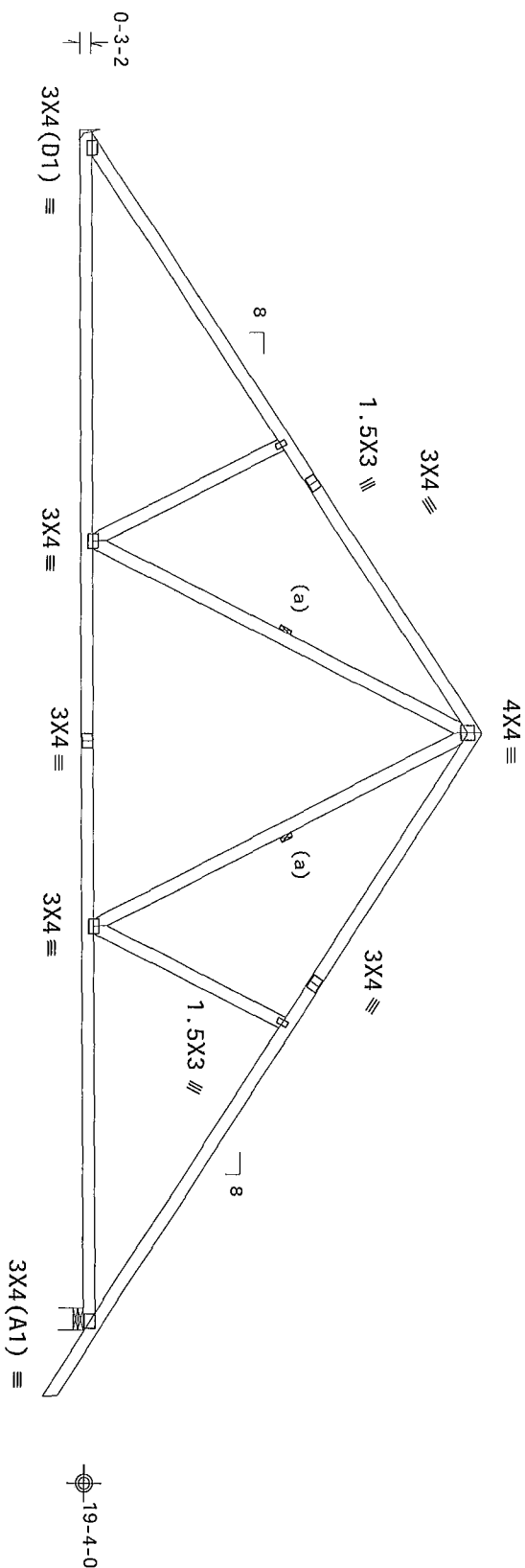
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR (client)

120 mph wind, 23.76 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL-3.5 psf, wind BC DL-5.0 psf GcP1(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member

MMFRS loads based on trusses located at least 11 88 ft from roof edge



R=1153 U=44 W=6"

Scale = 25"/Ft.

ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping and bracing. Follow the latest edition of BCOS (Building Component Safety Information) by IP and WITCA Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. No top chord shall have properly attached structural sheath and bottom chord shall have a properly attached rigid ceiling. Local ones shown for Permanent lateral restraint shall have bracing installed per BCOS section 83.07 or 83.10 as applicable.

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from the building code.

[illegible]

工 名

LIBRARY
No. 70861
LICENSE

design

STATE OF
FLORIDA
ENGINEER

TC LL	20 0 F
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TC DL	7.0 F
BC DL	10.0 F
BC 11	0.0 F

0.0777

TOT.LD	37 0 F
DUR.FAC.	1.25
SPACING	24.0"

REF R9114- 3127

DATE	12/09/11
DRW	HCUSR9114 13343

PL-ENG WHA/ WHA

SEQN- 336311
FROM JMW
JREF- 1V1Y487_ZC

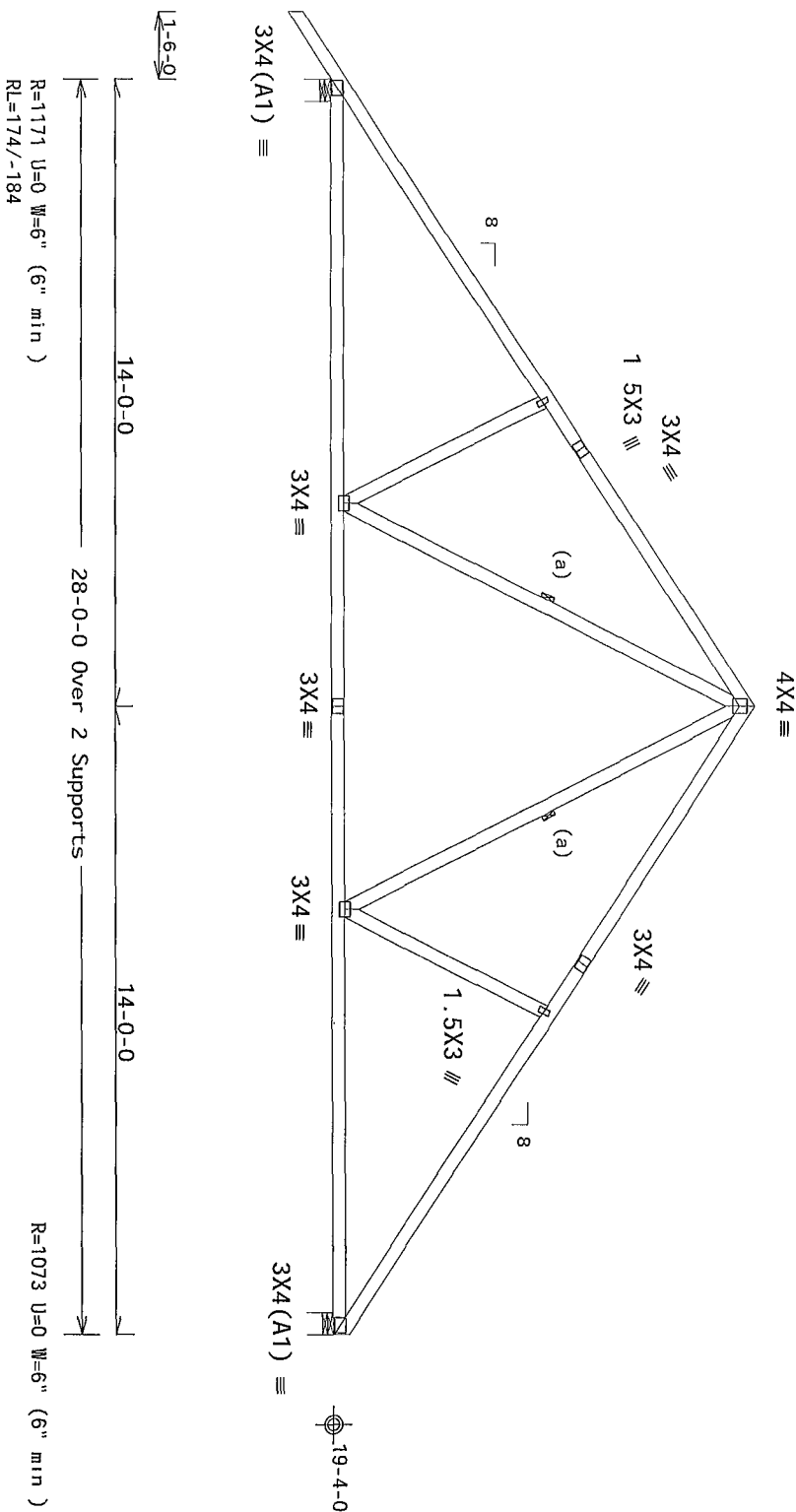
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

120 mph wind, 23.87 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf wind BC DL=5.0 psf GCPI(+/-)=0.18

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50



PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
1.1.1.1	100%
1.1.1.2	100%
1.1.1.3	100%
1.1.1.4	100%
1.1.1.5	100%
1.1.1.6	100%
1.1.1.7	100%
1.1.1.8	100%
1.1.1.9	100%
1.1.1.10	100%
1.1.1.11	100%
1.1.1.12	100%
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1.1.1.16	100%
1.1.1.17	100%
1.1.1.18	100%
1.1.1.19	100%
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1.1.1.22	100%
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1.1.1.92	100%
1.1.1.93	100%
1.1.1.94	100%
1.1.1.95	100%
1.1.1.96	100%
1.1.1.97	100%
1.1.1.98	100%
1.1.1.99	100%
1.1.1.100	100%

12.03.04.0326.13

QTY:6 FL/-/4/-/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trimmers requiring extreme care in fabric cutting, handling, and bracing follow the latest edition of BCSI Building Component Safety Information on TPI and WFOA's product code prior to performing these functions. Installers shall provide temporary bracing. Unless noted otherwise, top chord shalls shall have properly attached structural sheathing and bottom shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI section 83.87 or 810 as applicable.

17W Building Components Group Inc. (17WBGC) shall not be responsible for any deviation of any fabric used to build the truss in conformance with ANS/17P1 1 or for handling, shipping or packaging of trusses. Affected parties to this agreement shall be those parties above and on the drawings of trusses. Affected parties shall refer to drawings 180A-2 for standard plate bolt sizes. The truss is unique and notched otherwise to conform to drawings 180A-2 for standard plate bolt sizes. The responsibility for the design, manufacture and use of the truss is the responsibility of the designer. The responsibility of the Building Designer per ANS/17P1 1 Sec 2 For more information see the general notes page 17W-BGC www.tbccw.com TP1 www.tbccw.com 17WCA www.sbc.industry.org

~~12/09/2013~~

TC LL	20 0 PSF	REF	R9114- 31227
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HOUSE114 13343017
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37 0 PSF	SEQN-	336318
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 23 87 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gcpl(+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

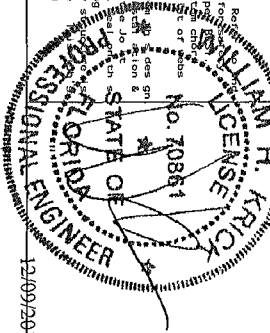
Deflection meets $L/240$ live factor for dead load is 1.50



ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

!!IMPORTANT!! **WARNING!!** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 Trussing requires extensive care in fabricating and handling and bracing
 follow the latest edition of BCSI (Building Component Safety Information by TPI and WITCA)
 practice as per or to perform these functions. Installers shall provide temporary bracing
 until steelwork is properly attached structural sheathing and bracing is in place.
 shall have bracing installed per BCSI section 83, 87 or 810 as applicable.
 TPI Building Components Group Inc. (TPI/BCSI) shall not be responsible for any design action
 taken by the contractor or subcontractor. The contractor shall be responsible for the
 bracing of trusses. Apply plates to each edge of trusses and posts to as shown above and on
 drawings unless noted otherwise. Refer to drawings 160A-D for standard plate positions. A
 drawing or cover page 1 at the top of this drawing and notes acceptance of professional engineer
 responsible solely for the design shown. The suitability and use of this design for any
 responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information on
 general notes please refer TPI BCSI www.tpiinc.com www.tpi.org WITCA www.sbc-industry.com
 TPI www.tpiinc.com



FL/-/4/-/4/-/R/-		Scale = 25"/Ft.
TC LL	20 0 PSF	REF R9114- 31228
TC DL	7.0 PSF	DATE 12/09/13
BC DL	10.0 PSF	DRW HCUR9114 13343018
BC LL	0 0 PSF	HC-ENG WHK/WHK
TOT.LD	37.0 PSF	SEQN- 336320
DUR FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
H1P)

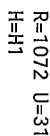
120 mph wind, 23.87 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP(+/-)=0.18

Wind loads and reactions based on MNFRS with additional C&C member design

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member
Deflection meets $L/240$ live and $L/180$ total load Creep increase
factor for dead load is 1.50

111



Scale = .25"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** ****WARNING**** **READ AND FOLLOW ALL NOTES ON THIS SHEET**

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenuses require extreme care in fabricating handling shipping and bracing follow the latest edition of BCSI (Bu id ing Engineering Standard by TPI and WTC) practices prior to performing these functions Installers should temporary brace unitless member otherwise top chord shall have properly attached structural sheathing and bottom chord properly secured by ceiling joists or other members

shall have bracing method per BCSI sections BS D7 or B10 as appli cable

ITW Bu id ing Components Group Inc (IMBOSG) shall not be responsible for any damage arising from failure to build the truss in conformance w ith ANSI/APC 1 or for handling shipping or storage of the truss unless noted otherwise Refer to draw ngs 160A-2 for standard plate position A drawing or cover page list ng this drawing indicates acceptance of professional engineer nce responsibility solely for the design system The suitability and use of ns design for any general notes page ITW-BOSG www timboeg com TPI www tpiinc org WTC www stcindustry com CC www ccacsteel org

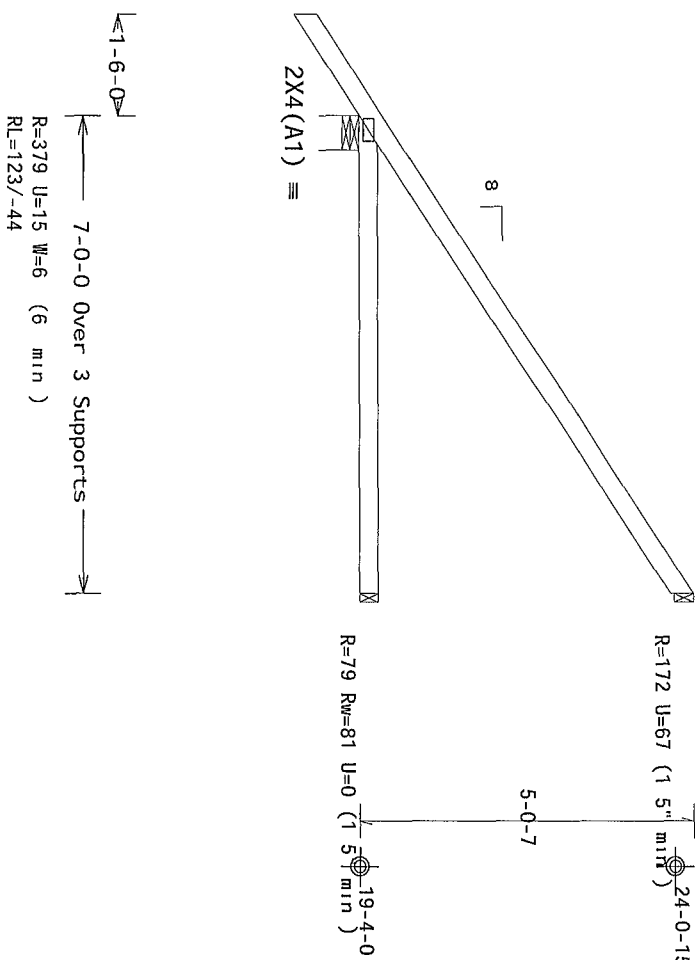
TC LL	20 0 PSF	REF	R9114- 31229
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10 0 PSF	DRW	HCSR9114 13343019
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	336314
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1Y487_201

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Lumber grades designated with '13B' use design values approved 1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increases factor for dead load is 1.50

120 mph wind 21.54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCPI (+/-)=0.18



PLT TYP. Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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12 03 04 0326.13

QTY:19 FL/-/4/-/-/R/-

Scale = .375"/Ft.

ALPINE

ITV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

Professional Engineer Seal for William H. Krick, State of Ohio, No. 70861, License Expires 12/31/97.

12/09/2013

TC LL	20.0 PSF	REF	R9114- 31230
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCSUR9114 13343020
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	336304
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF	1V1Y487_Z01

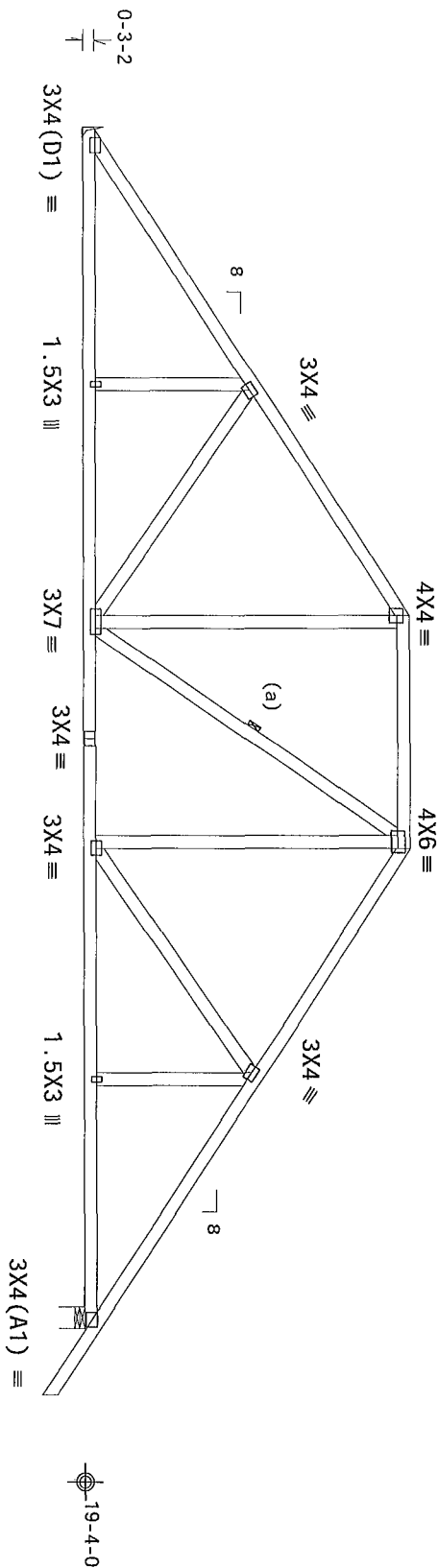
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(apdown Hip)

120 mph wind, 22.87 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf,
wind BC DL=5.0 psf GCP(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50



R=1153 U=49 W=6"

Scale = .25"/Ft.

REF R9114- 3123

design this

drawing or cover page listing this information does not create acceptance or professional responsibility for any design or construction solely for the design shown. The submittal list and use of this design for any other responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page. ITH-BCG www.ithbcg.com TPI www.tpiast.org WTCA www.steelindustry.com ICC www.iccsafe.org

A circular professional engineer seal for the State of Florida. The outer ring contains the text "FLORIDA" at the top and "ENGINEER" at the bottom. The inner circle contains the text "PROFESSIONAL" at the top and "REGISTERED" at the bottom. In the center, the word "ENGINEER" is written vertically. The seal is partially obscured by the text "PROFESSIONAL" and "REGISTERED" which are also visible in the left margin.

DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF -	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

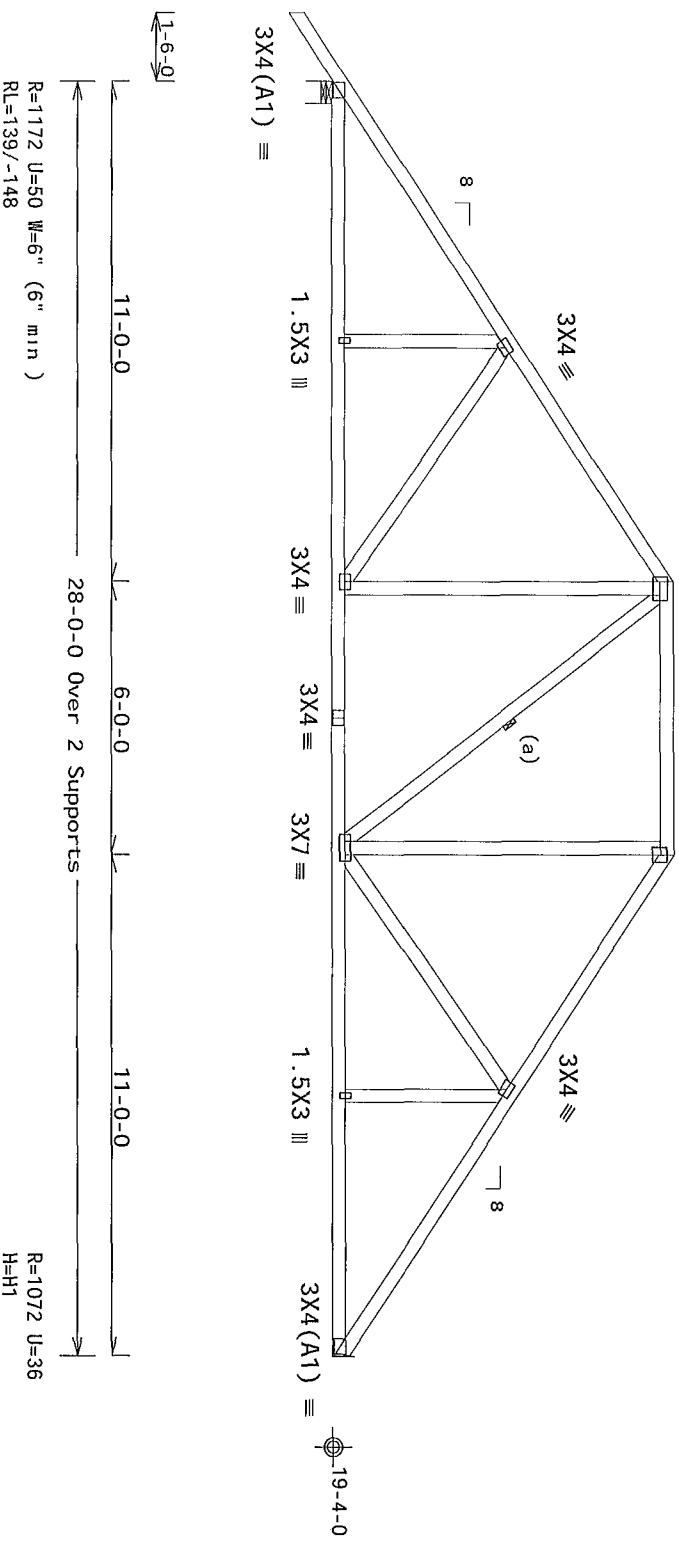
120 mph wind, 22.87 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf wind BC DL=5.0 psf GCPI (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

MMFRS loads based on trusses located at least 11 44 ft from roof edge
 $AY4 \equiv$



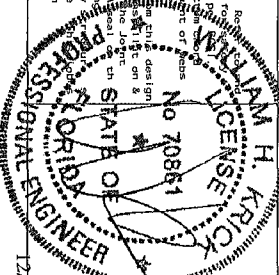
Scale = .25"/Ft.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** ****WARNING**** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenusers requi re extreme care in Fabr casting handi ng an sp ng installi ng and braci ng
 follow the latest edition of BCSI (Bu il d ng Component Strengt h Informati on by TP1 and WTCA) and
 practices prior to performing these functi ons. Installers shall provi de temporary braci ng
 unless noted otherwise. Top chord shall have properly attache d structural sheati ng and bot
 shall have a properly installed per flate d colla g. Locations shown for permanent lateral restrai nt
 shall have brace ng attache d per BCSI secti on 8.3, B7 or B10 as appli cable

1TW Building Components Group Inc. (1TWBCG) shall not be responsible for any deviat ion on
 any failure to bu il d the truss in conforma nce with ANSI/TPI 1 or for handi ng, shi ppi ng
 or braci ng of trusses. Appli cations to such face of truss and positi on as shown above and on
 drawing or cover page. Ift y not shown, thi s drawing i ndicates acceptance of professi onal and nee
 the responsibility solely for the design shown. The suitabi lity and use of thi s design for the
 general notes page 1TW-BCG www.1twbcg.com TP1 www.tp1inc.org WTCA www.structure.com



12/09/2013

TC LL	20 0 PSF	REF	R9T14- 31232
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCSR9T14 13343022
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEON-	336329
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1Y487_Z01

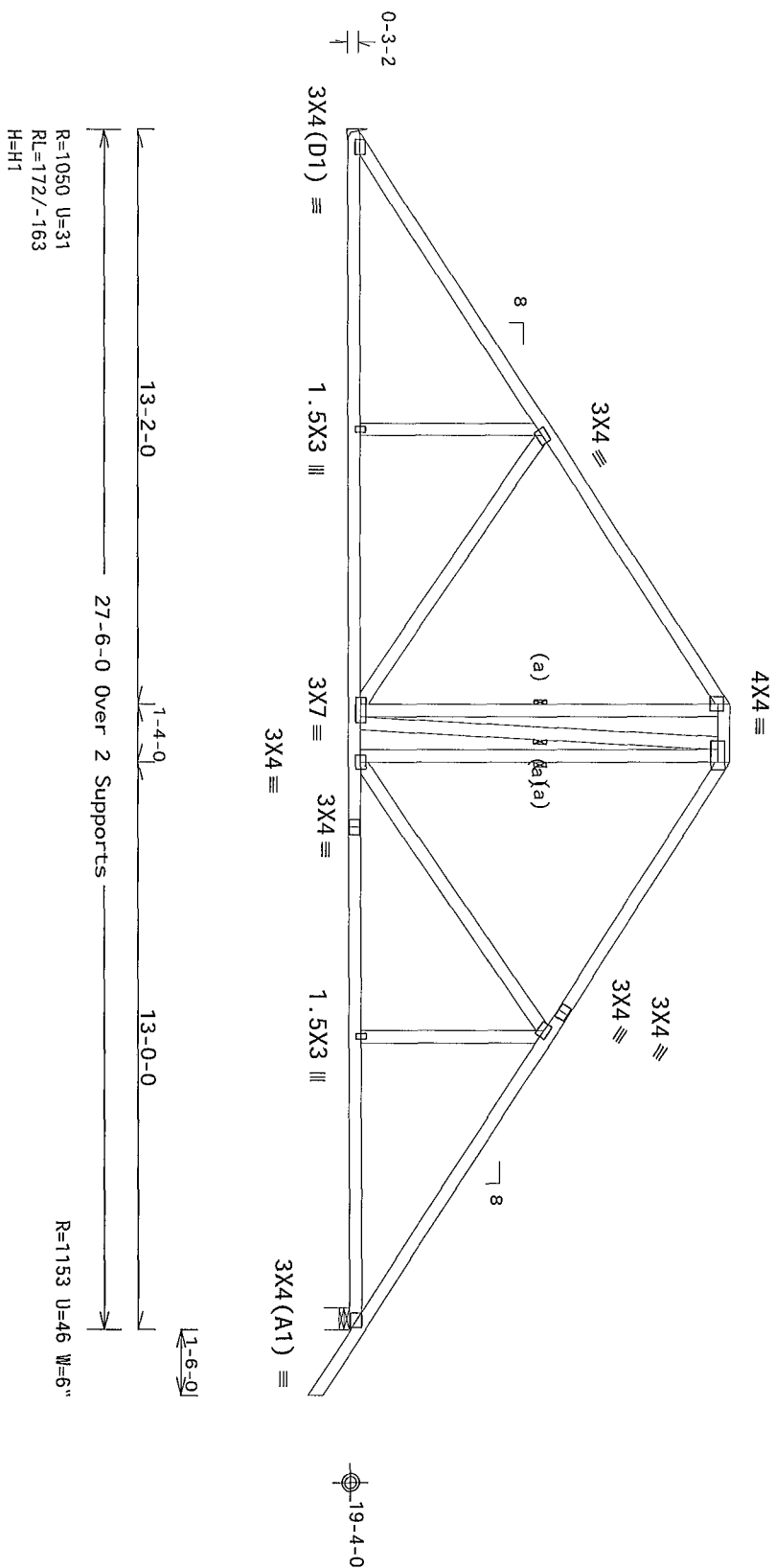
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(updown Hip)

120 mph wind, 23 54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP (+/-)=0 18

Wind loads and reactions based on MNFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member

Deflection meets $L/240$ live and $L/180$ total load Creep increases factor for dead load is 1.50



Scale = .25"/Ft.

REF R9114- 312:

HC-ENG WHK/WHK

JREF- 1W1Y487_Z0

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(downward Hip Girder)

Special loads

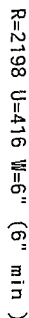
Lumber Dur Fac = 1 25 / Plate Dur Fac = 1 25
TC- From 57 pif at -1 50 to 57 pif at 7 00
TC To 38 pif at 7 00 to 38 pif at 20 33

TC- BC- DC- From To	57 p/f at 20 33 to 57 p/f at 28 83
57 p/f at -1 50 to 57 p/f at 0 00	
30 p/f at 0 00 to 30 p/f at 7 03	

BC-From	10 pif at 7 03 to 20 pif at 20 30	10 pif at 20 30
BC-From	20 pif at 20 30 to 20 pif at 27 33	20 pif at 27 33
BC-From	5 pif at 27 33 to 5 pif at 28 83	5 pif at 28 83
TC	245 4515 Cons load at 7 03 20 30	

TC-17179	1b Conc	Load at	9 06,11 06,13 06,14 2
16 27 18 27			

BC-311	85	1b	Conc	Load at	7 03,20	30
BC-79	29	1b	Conc	Load at	9 06,11	06,13 06,14 27



Scale = 25"/Ft.

REF R9114- 312

HC-ENG WHK/WHK

FROM JMW
JREF- 1V1Y487_Z01

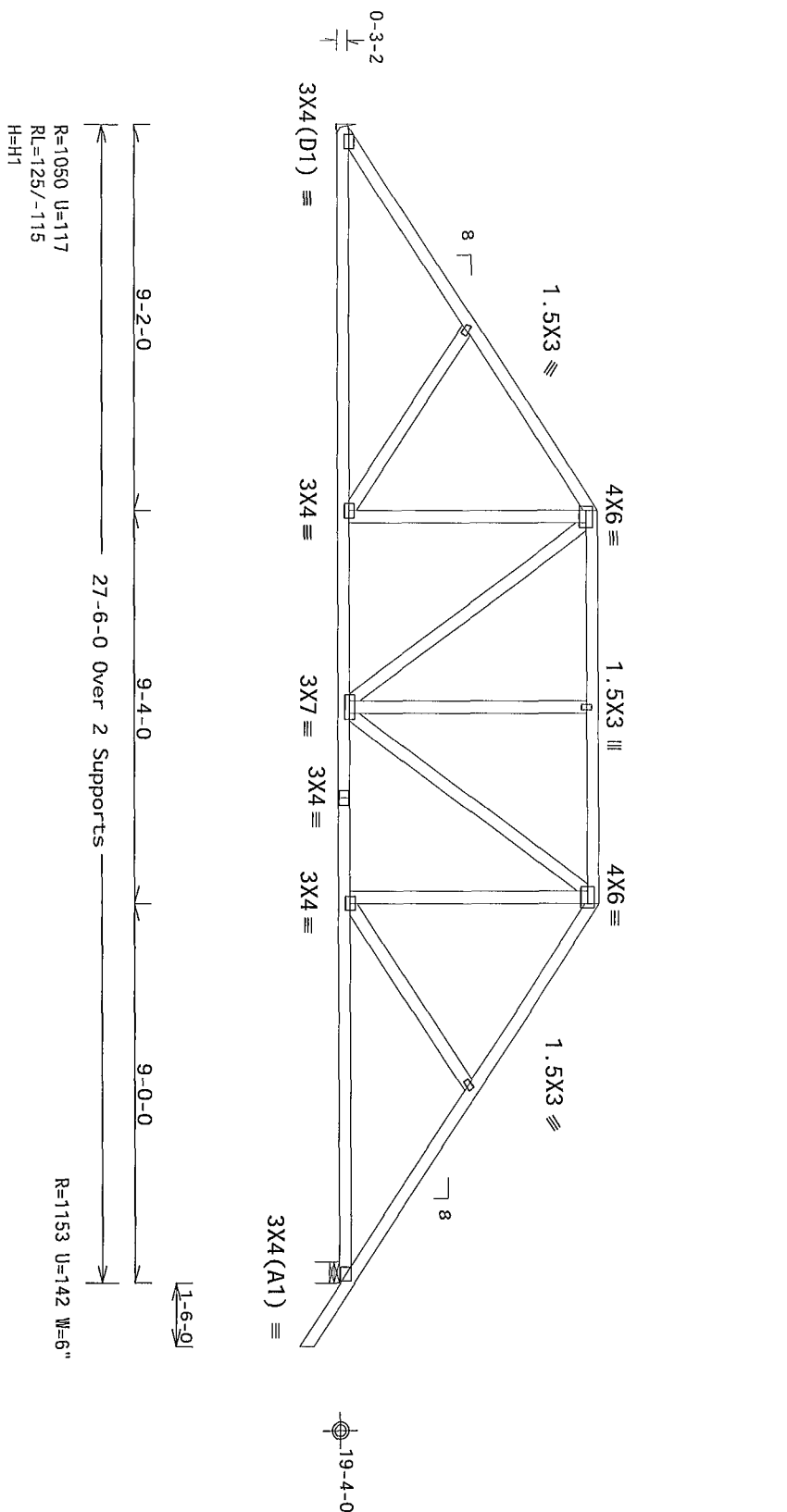
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(pdown Hip)

120 mph wind, 22 20 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf Gcpi (+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



PLT_TYP	Wave	Design Cr it	FBC2010Com/TP1-2007(STD)	FT/RT=10%(0)/0(0)
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12	QTY	FL	Scale
12	1	-	=.25"/Ft
13	1	-	
14	1	-	
15	1	-	
16	1	-	
17	1	-	
18	1	-	
19	1	-	
20	1	-	
21	1	-	
22	1	-	
23	1	-	
24	1	-	
25	1	-	
26	1	-	
27	1	-	
28	1	-	
29	1	-	
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93	1	-	
94	1	-	
95	1	-	
96	1	-	
97	1	-	
98	1	-	
99	1	-	
100	1	-	

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

1987

1

TC LL 20.0 F

REF R9114- 31236

Trussess require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WJCA).

CHIEF OF POLICE

TC DL 7 0 F

DATE 12/09/13

shall have a properly attached and secured local and permanent lateral bracing installed as shown for permanent lateral bracing. Installers shall provide temporary bracing practices prior to performing these functions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached and secured local and permanent lateral bracing.

No. 7086

BC DL 10.0 F

DRW HCUSR9114 1334302

shall have bracing installed per BCS1 sections B3 B7 or B10 as applicable

1

BC LL 00 F

HC-ENG WHK/WHK

any failure to build the truss in conformance with ANSI/TPI-1 or for handling, shipping or bracing of trusses. Apply plates to each face of truss and post on as shown above and on

STATE OF

TOT LD 37 0 F

SEON- 336316

[illegible]

FILED

DIR FAC: 1 25

FROM IMM

general notices page 17W BCG www.itwbcg.com TPI www.tpi-nst.org WTCIA www.sbc-industry.com

THIRUJAGADHARATHAN

DATE: 11-10-11 1:20

CRACKING 34.0"

1 NOV 81	CHINA
INDEX	11/11/81 701

ICC www.iccsafe.org

ORIGINAL

/2013

SPALING 24 0

JREF - 1V11401-201

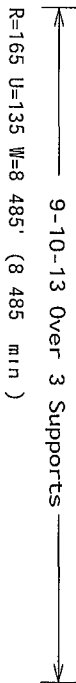
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
Hip Jack Girder)

Webs 2x4 SP #3-13B

	Dur	Fac = 1	25 / Plate	Dur	Fac = 1	25)
Special loads						
-Lumber						
TC-From	0 pif at	-2 12 to	55 pif at	0 00		
TC-From	2 pif at	0 00 to	2 pif at	9 90		
BC-From	0 pif at	-2 12 to	4 pif at	0 00		
BC-From	2 pif at	0 00 to	2 pif at	9 90		

TC-	113	56	1b	Conc	Load at	4	31
TC-	234	05	1b	Conc	Load at	7	13
BC-	24	86	1b	Conc	Load at	1	48
BC-	47	12	1b	Conc	Load at	4	31
BC-	104	44	1b	Conc	Load at	7	13

BC-4/12	1b Conc	Load at 4	31
BC-104	44 1b Conc	Load at 7	13



Design Cr't. FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12 08:04:032613

QTY:3 FL/-/4/-/-/R/-

Scale = .375"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

11-11-11

TC LL	20.0
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REF R9114- 3123

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

Thousands require extensive care in fabricating, handling, shipping, installing, and bracing. Follow the latest edition of the BCSI (Building Components Safety Institute) and BCSA (Building Components Safety Association) practices and/or to perform any these functions, installers shall provide company data on the products and materials used. Unless noted otherwise, top chord shall have properly attached lateral sheath and bottom chord shall have a properly attached top chord nail. Lateral sheath shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

1) The Building Components Group Inc. (BTBCG) shall not be responsible for any new steel framing or bracing of trusses. Apply plates to draw face of trusses and post them as shown above and on the drawing of trusses. Apply plates to draw face of trusses and post them as shown above and on the drawing of cover plates. Letting the steel draw nail and caters acceptance of professional engineer in responsible to verify for the design shown. The submittal and use of this design for any steel framing or bracing of the Building Designer. Per ANSI/TPI 1 Sec 2. For more information see the general notes page. ITW-BCSI www.bcsa.com www.bcsa.org BTBCG www.bcsi.org

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" and "STATE OF FLORIDA". The inner ring contains "LICENSE NO. 70861". The center of the seal features a signature, "W. J. Williams", over a background of wavy lines.

12/09/2013

TC DL	7.0 PSF
BC DL	10 0 PSF
BC LL	0.0 PSF
TOT. LD.	37 0 PSF
DUR. FAC.	1.25
SPACING	24.0"

DATE	12/09/13
DDRW	HCSR9114 1334302
HHC-ENG	WHK/WHK
SEQN-	336332
FFROM	JMW
JREF-	1V1Y487_Z01

(13-288--Premier Building /Becker Res Roof -- 337 sw rose creek drive Lake City, - MH7 28 Mono Hip Girder)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Top chord 2x4 SP M-30 T1 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B B2 2x4 SP M-30
Webs 2x4 SP #3-13B

Lumber grades designated with "13B use design values approved
1/30/2013 by ALSC

120 mph wind, 21.54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9.00 ft from roof edge, RISK CAT II, EXP B wind TC DL=3.5 psf,
wind BC DL=5.0 psf GCPI(+/-)=0.18

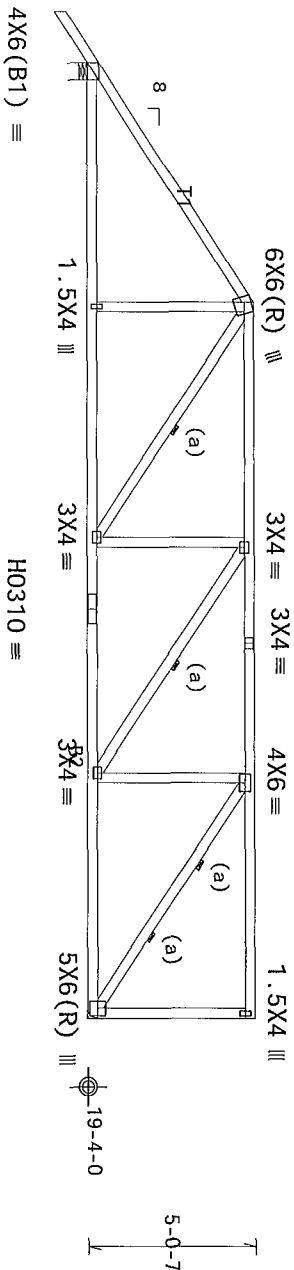
Wind loads and reactions based on MMFRS

H = recommended connection based on manufacturer tested capacities and
calculations. Conditions may exist that require different connections
than indicated. Refer to manufacturer publication for additional
information.

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2) 2x6 SP SS-13B supporting member
(14) 0.162 x3.5" nails into supporting member,
(4) 0.162 x3.5" nails into supported member

In lieu of structural panels use purllins to brace all flat TC @ 24"

Right end vertical not exposed to wind pressure
Hanger specified assumes connection to supporting chord is located a
minimum of five times the depth of the supporting chord from any
unsupported end, unless unsupported chord end has 85% plating
coverage
(a) Continuous lateral restraint equally spaced on member
Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50



1'-6"-0"

7'-0'-0"

21'-0'-0"

28'-0'-0" Over 2 Supports

R=2189 U=418 W=6' (6 min)

R=2318 U=467
H=H1

PLT TYP 20 Gauge HS Wave

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

12/09/2013

QTY. 1 FL/-/4/-/R/-

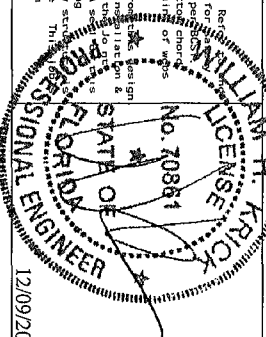
Scale = 1875"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses from an extreme care in fabricating, handling, shipping, installing and bracing. Refer to the
following the latest edition of BCSI (Building Component Safety Information by TPI and WTD) for
practices prior to performing these functions. Installers shall provide temporary bracing and
unless noted otherwise, top chord shall have properly attached structural sheathing and bottom
chord shall have a properly attached r-gird collar. Locations shown for permanent lateral restraint
shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design
any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installing and
bracing of trusses. Apply plates to each face of truss and position as shown above and on the side
drawing or cover page listing this drawing. The suitability and use of this design for any structure
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see
general notes page ITW-BCG www.tbccg.com TPI www.tpiinc.org WTD www.sbcindustry.com
10/10/2013



TC LL	20.0 PSF	REF	R9114- 31238
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCSR9114 13343028
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD	37.0 PSF	SEQN-	336335
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(HiP)

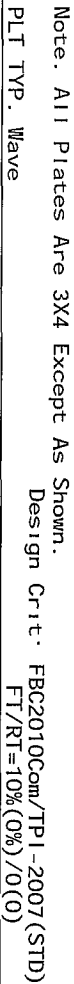
120 mph wind, 22.20 ft mean hgt, ASCE / -10, CLOSED bid, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCp1 (+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design

Right end vertical not exposed to wind pressure

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member
In lieu of structural panels use purlins to brace all flat TC @ 24" OC



12-03444-26.13

Scale = .25"/Ft.

Scale = .25"/Ft.

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0278

Orlando FL, 32837
FL COA #0278

****IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
FINISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabric casting, handling, unspinning and bracing. Follow the latest edition of BS51 (Bracing Component Safety Information by TPI and WTC) practices prior to performing any of these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bolts shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraints shall have bracing installed per BS51 sections 8.7 or 8.10 as applicable.

TPI Building Components Group Inc. (TIBCO) shall not be responsible for any delay at or from any failure to build the truss in conformance with ANSI/TPI 1 or for handling, unspinning, bracing or covering, applying plates to each face of truss and post as shown above and on drawings or cover page 1, setting the drawing. The submittal and use of this design for any responsibility solely for the design shown. The submittal and use of this design for any responsibility solely for the Building Design group per ANSI/TPI 1 Sec 2. For more information on safety general notes apply TIBCO's www.tibco.com TPI www.tpi.net.org WTC www.dmc-industry.org

~~12/09/2013~~

TC LL	20.0 PSF	REF R9114- 31239
TC DL	7.0 PSF	DATE 12/09/13
BC DL	10.0 PSF	DRW HCUSR9114 13343029
BC LL	0.0 PSF	HC-ENG WHK/MHK
TOT. LD.	37.0 PSF	SEQN- 336327
DUR. FAC	1.25	FROM JMM
SPACING	24.0"	JREF- 1V1Y487_Z01

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to I-reinforcement or I-reinforcement or scab reinforcement

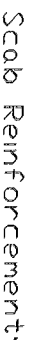
Alternative reinforcement specified in chart below may be conservative
For minimum alternative reinforcement, re-run design with appropriate
reinforcement type

Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf	Scab Reinf
2x3 or 2x4 2x3 or 2x4	1 row 2 rows	2x4 2x6	1-2x4 2-2x4
2x6	1 row 2 rows	2x4 2x6	1-2x6 2-2x4(*)
2x8 2x8	1 row 2 rows	2x6 2x6	1-2x8 2-2x6(*)

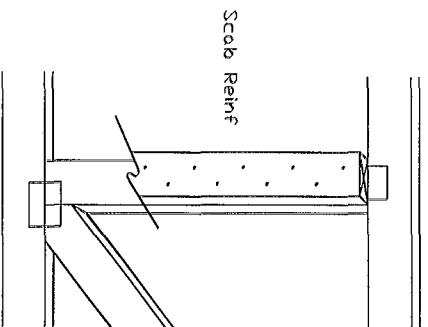
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(*) Center scab on wide face of web Apply (1) scab to each face of web

Apply to either side of web narrow face Attoch with 10d (0.128"x3.0") nails at 6" oc Reinforcing member is a minimum 80% of web member length.



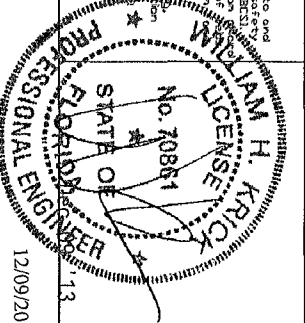
Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x30") nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Building Components Group Inc.

Earth City MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
 REGARDING THE FURNISHING THIS DRAWING IS FOR ALL CONTRACTORS INCLUDING THE INSTALLER.
 1. Users require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the
 drawings for details. The drawings are not to be used as a guide for installation. The drawings
 practices prior to performing these tasks. The drawings are not to be used as a guide for installation.
 Unless noted otherwise, all work shall have properly attached structural bracing and bottom
 shall have a properly attached rigid ceiling. Location shown for permanent lateral restraint of
 the ceiling. The drawings are not to be used as a guide for installation. The drawings are not to be
 used as a guide for installation. The drawings are not to be used as a guide for installation.
 of truss and position as shown above and on the Joint Details, unless noted otherwise.
 Refer to drawings 1604-2 for standard plate positions.
 2. All Building Components Trade Inc. shall not be responsible for this drawing.
 3. Bracing of Trusses:
 A seal on this drawing or cover page listing this drawing, indicates acceptance of professional
 engineering responsibility solely for the design shown. The stability and use of this drawing
 for any subsequent design shall be the responsibility of the user. For more information see this
 drawing. For more information see this drawing. For more information see this drawing.
 11/16/06 www.cdntruss.com TPI: www.cdntruss.com SECA: www.cdntruss.com ICC: www.cdntruss.com



TC LL	PSF	REF	CLR Subst
TC DL	PSF	DATE	8/15/13
BC DL	PSF	DRWG	BRCLBSUB0813
BC LL	PSF		
TOT LB	PSF		
DUR FAC			
SPACING			

ASCE 7-10 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_z t = 100$

Dr	00	100	mph	Wind Speed	15	Mean Height	Partially Enclosed Exposure C	Kzt = 1.00
Dr	100	mph	Wind Speed	15	Mean Height	Enclosed Exposure D	Kzt = 1.00	

Grouping Group Species and Grades

Group A	
Service Pine- Fir	Hen- Fir
#1 / #2 Standard	#2 Stud
#3 Stud	#3 Standard
Douglas Fir- Larch	Southern Pinexxx
#2 Stud	#3 Stud
Standard	Standard

Group B

Hen- Fir
#1 & Str
#1
Douglas Fir- Larch
#1 Stud
#2 Stud
Standard
Southern Pinexxx
#1 Stud
#2 Stud
Standard

1x4 Boards shall be SRB (Stress-Rated Boards)

xxxxx for 1x4 So. Pine use only Industrial S5 or Industrial 4S Stress-Rated Boards. Group B values may be used with these grades.

Wind Load deflection criterion is $L/240$.

Wind Load deflection criterion is $L/240$.

continuous bearing (5 psf TC Dead Load)

Cable end supports load from 4 0" outlookers with 2' 0" overhang, or 12" plywood overhang

So. Pine lumber design values based on the ALSC January, 2012 ruling

Attach "L" braces with 10d (0.128"x3.0" min) nails.

* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

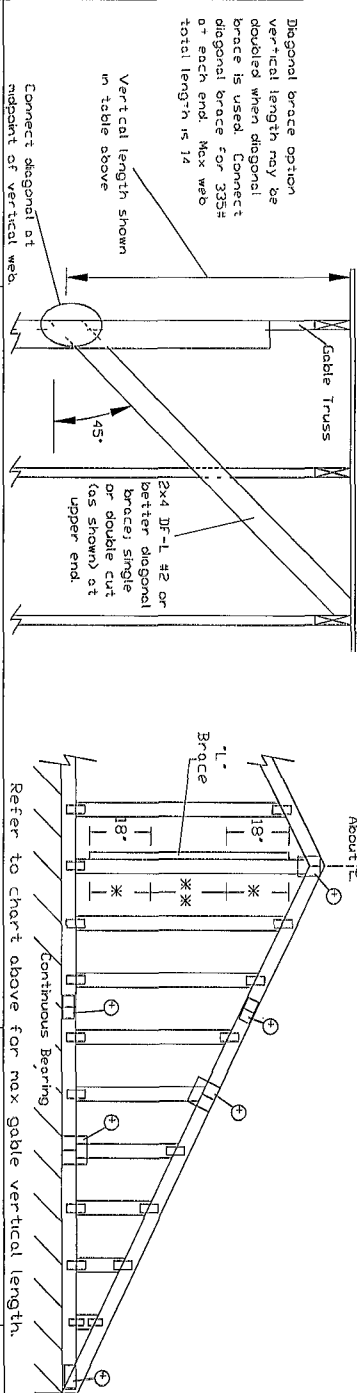
***For (2) 'L' braces. space nails at 3' o.c in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes	
Vertical length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0" but less than 11 6"	2X4
Greater than 11 6"	25X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.



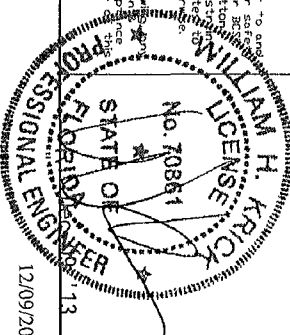
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



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Earth City MO 63045



12/09/2013

MAX TOT LD 60 PSF

MAX SPACING 240"

REF	ASCE7-10-GAB12015
DATE	2/14/12
DRWG	A12015ENC100212

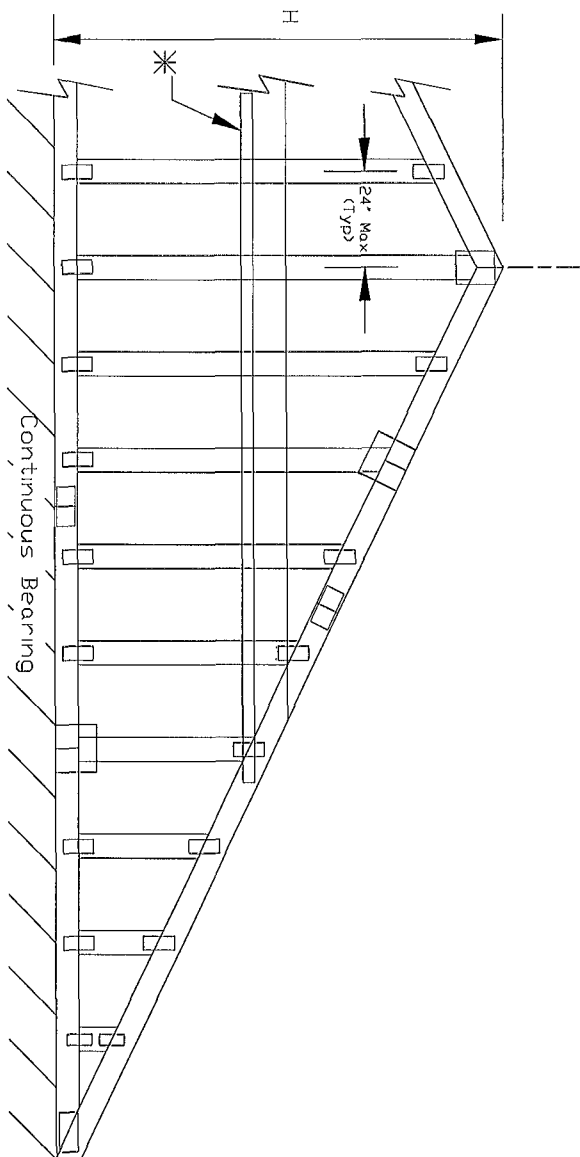
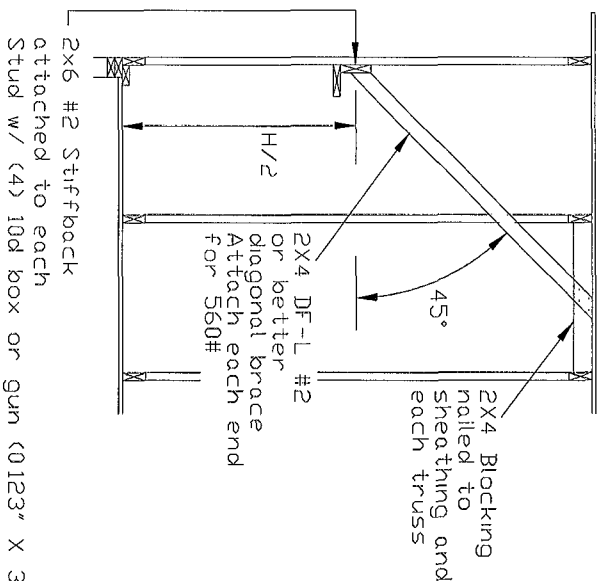
DRWG A12015ENC100212

120	mpd,	30ft	Mean	Hgt,	ASCE	7-10,	Enclosed,	Exp C,	or
100	mpn,	30ft	Mean	Hgt,	ASCE	7-10,	Enclosed,	Exp D,	or
100	mph,	30ft	Mean	Hgt,	ASCE	7-10,	Part Enclosed,	Exp C,	
120	mph,	30ft	Wind TC	DL=50 psf,	Wind	BC	DL=50 psf		

Lateral chord bracing requirements
Top Continuous roof sheathing
Bot Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail for lumber, plates, and other information not shown on this detail

Nails 10d box or gun (0.128"x3",min) nails



H Less than 4'6" - no stud bracing required

H Greater than 4'6" to 7'6" in length provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DWG A12030ENC100212)

H Greater than 7'6" to 12'0" max provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DWG A12030ENC100212)

* Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0128" x 3", min) nails @ 6" o.c



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ACES (Building Component 55, epy, Information, 37, 37, and VITA) for safe practices prior to performing these functions. Installers should provide temporary bracing per the truss manufacturer's instructions. Trusses shall be braced in accordance with the manufacturer's instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing of webs shall have bracing installed per ACES sections 37 or 310, as applicable. Allow plots for each acf of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings ISM-Z for standard plate positions.

[illegible]

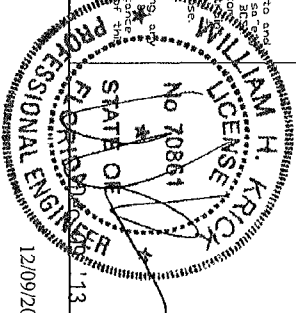
MAX TOT LD 60 PSF

MAX SPACING

REF GE WHALER

DATE 2/14/12

DRWG GABRST100212

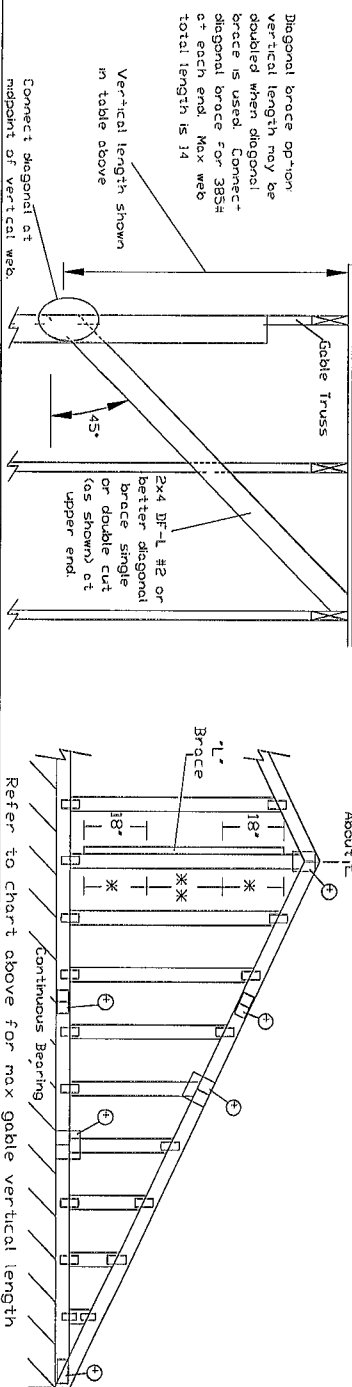


12/09/2013

ASCE 7-10 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr. 100 mph Wind Speed, 30' Mean Height Partially Enclosed Exposure C, Kzt = 1.00
 Dr. 100 mph Wind Speed 30' Mean Height Enclosed Exposure D Kzt = 1.00

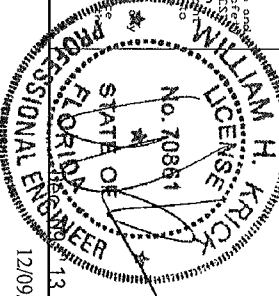
Gable Vertical		Brace		No		(1) 1x4 1" Brace		(1) 2x4 1" Brace		(2) 2x4 1" Brace		(1) 2x6 1" Brace		(2) 2x6 1" Brace	
Spacing	Species	Grade	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
12" o.c.	SPF	#1 / #2	HF	Standard	4 7'	7 10'	8 1'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 2'	7 8'	9 1'	9 5'	10 10'	11 4'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 8'	8 0'	9 1'	9 5'	10 10'	11 4'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 6'	8 0'	9 1'	9 5'	10 10'	11 4'	14 0'	14 0'	14 0'	14 0'
16" o.c.	SPF	#1 / #2	HF	Standard	4 4'	7 10'	8 2'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 10'	8 2'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 10'	8 2'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 10'	8 2'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'
24" o.c.	SPF	#1 / #2	HF	Standard	4 4'	7 10'	8 2'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 10'	8 2'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 10'	8 2'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'
					4 4'	7 10'	8 2'	9 3'	9 7'	11 0'	11 5'	14 0'	14 0'	14 0'	14 0'



Bracing Group Species and Grades		Group A		Group B	
Douglas Fir-Larch	Species-Grade	#1 / #2 Standard	#2 Stud	#1 / #2 Standard	#2 Stud
	Standard	Standard	Standard	Standard	Standard
Southern Pine	Species-Grade	#1 / #2 Standard	#2 Stud	#1 / #2 Standard	#2 Stud
	Standard	Standard	Standard	Standard	Standard



Building Components Group Inc.
 Earth City, MO 63045



MAX TOT LD	60 PSF
MAX SPACING	24 0
REF	ASCE7-10-GAB12030
DATE	2/14/12
DRWG	A12030ENC100212

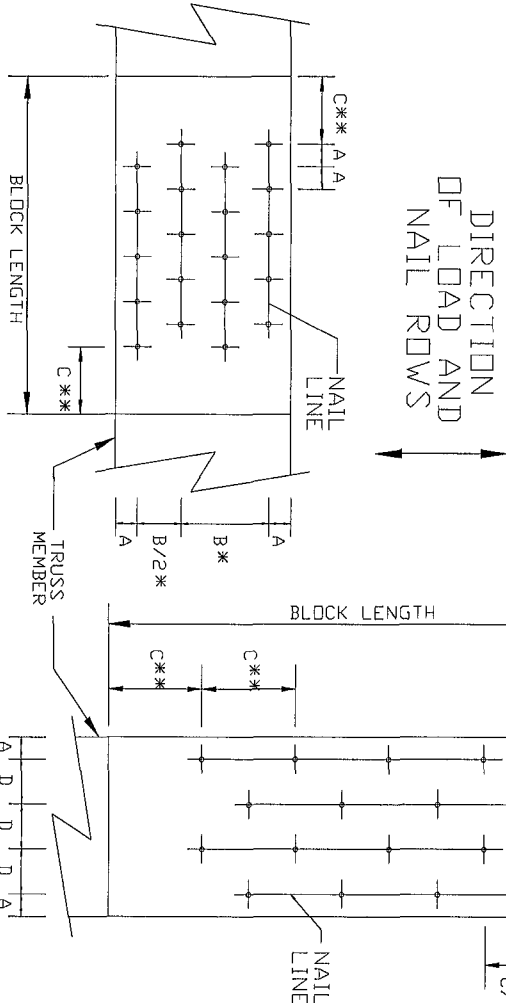
NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCE THIS DETAIL.
- LOAD PERPENDICULAR TO GRAIN
- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
 - B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
 - C - END DISTANCE (15 NAIL DIAMETERS)
- LOAD PARALLEL TO GRAIN
- A - EDGE DISTANCE (6 NAIL DIAMETERS)
 - C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
 - D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW

- * SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%



NAIL TYPE	MINIMUM NAIL SPACING DISTANCES			
	DISTANCES			
	A	B*	C**	D
8d BDX (0.113" X 2.5", MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BDX (0.128" X 3", MIN)	7/8"	1 5/8"	2"	1"
12d BDX (0.128" X 3.25", MIN)	7/8"	1 5/8"	2"	1"
16d BDX (0.135" X 3.5", MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BDX (0.148" X 4", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131" X 2.5", MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148" X 3", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148" X 3.25", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162" X 3.5", MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120" X 2.5", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131" X 2.5", MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120" X 3", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131" X 3", MIN)	7/8"	1 5/8"	2"	1"

LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN

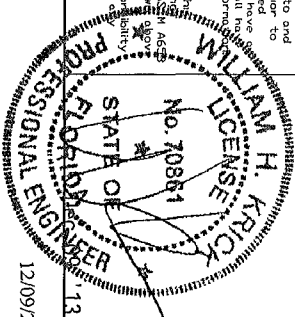


Building Components Group Inc.

Earth City, MO 63045

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCS Building Component Safety Information, by TPI and VIDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS. Unless noted otherwise, all bracing shall be installed in accordance with the BCS. Trusses shall be installed in a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections B3 & B7. See this job's general notes page for more information.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design, any failure to build the truss in conformance with TPI or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2018/766A C/H/S/KO A36M (65ksi) grade 37/40/66 (K/H/H/S) galv steel. Apply plates to each face of truss, positioned as shown above. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for building is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. ITW-BCG www.itwbcg.com, TPI www.tpi.com, VIDA www.vidadeck.com, ICC www.iccsafe.org

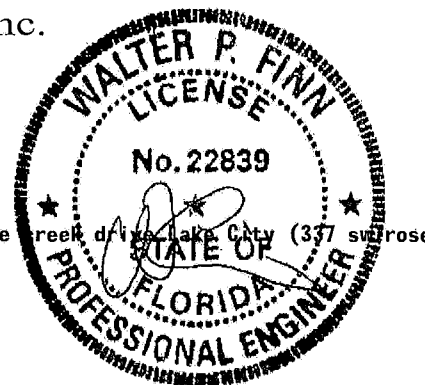


REF	NAIL SPACE
DATE	1/1/09
DRWG	CNNAIL SP0109

12/09/2013

ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID 1V21487-Z0109115902



12/09/2013

Walter P Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

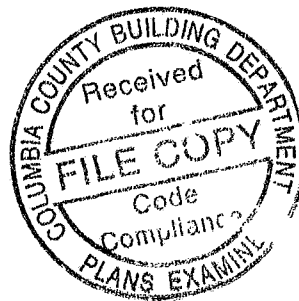
Truss Fabricator **Anderson Truss Company**
Job Identification **13-288F--Premier Building /Becker Res Floor -- 337 sw rose creek drive lake city (337 sw rose**
Truss Count **16**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Com/TPI-2007(STD)**
Engineering Software **Alpine Software,Version 12.03.**
Structural Engineer of Record **The identity of the structural EOR did not exist as of**
Address **the seal date per section 61015-31.003(5a) of the FAC**
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**
Floor - 55.0 PSF @ 1.00 Duration
Wind - 120 MPH ASCE 7-10 -Closed

Notes

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

Details: STRBRIBR-DEFLCAMB-RIGINSRT-

#	Ref	Description	Drawing#	Date
1	40079-F1	18'8" Floor T	13343030	12/09/13
2	40080-F2	19' Floor Tru	13343001	12/09/13
3	40081-F3	3'8" Floor Tr	13343003	12/09/13
4	40082-F4	15'8" Floor T	13343011	12/09/13
5	40083-F5	15'8" Floor T	13343013	12/09/13
6	40084-F6	15'4" Floor T	13343005	12/09/13
7	40085-F7	11'8" Floor T	13343006	12/09/13
8	40086-F8	19' Floor Tru	13343007	12/09/13
9	40087-F9	19' Floor Tru	13343010	12/09/13
10	40088-F10	18'10" Flat	13343031	12/09/13
11	40089-F11	18'10" Floor	13343012	12/09/13
12	40090--FG	18'8" Gable	13343014	12/09/13
13	40091--FG1	19' Gable	13343004	12/09/13
14	40092--FG2	11'8" Gable	13343008	12/09/13
15	40093--FG3	19' Gable	13343002	12/09/13
16	40094--FG4	10' Gable	13343009	12/09/13

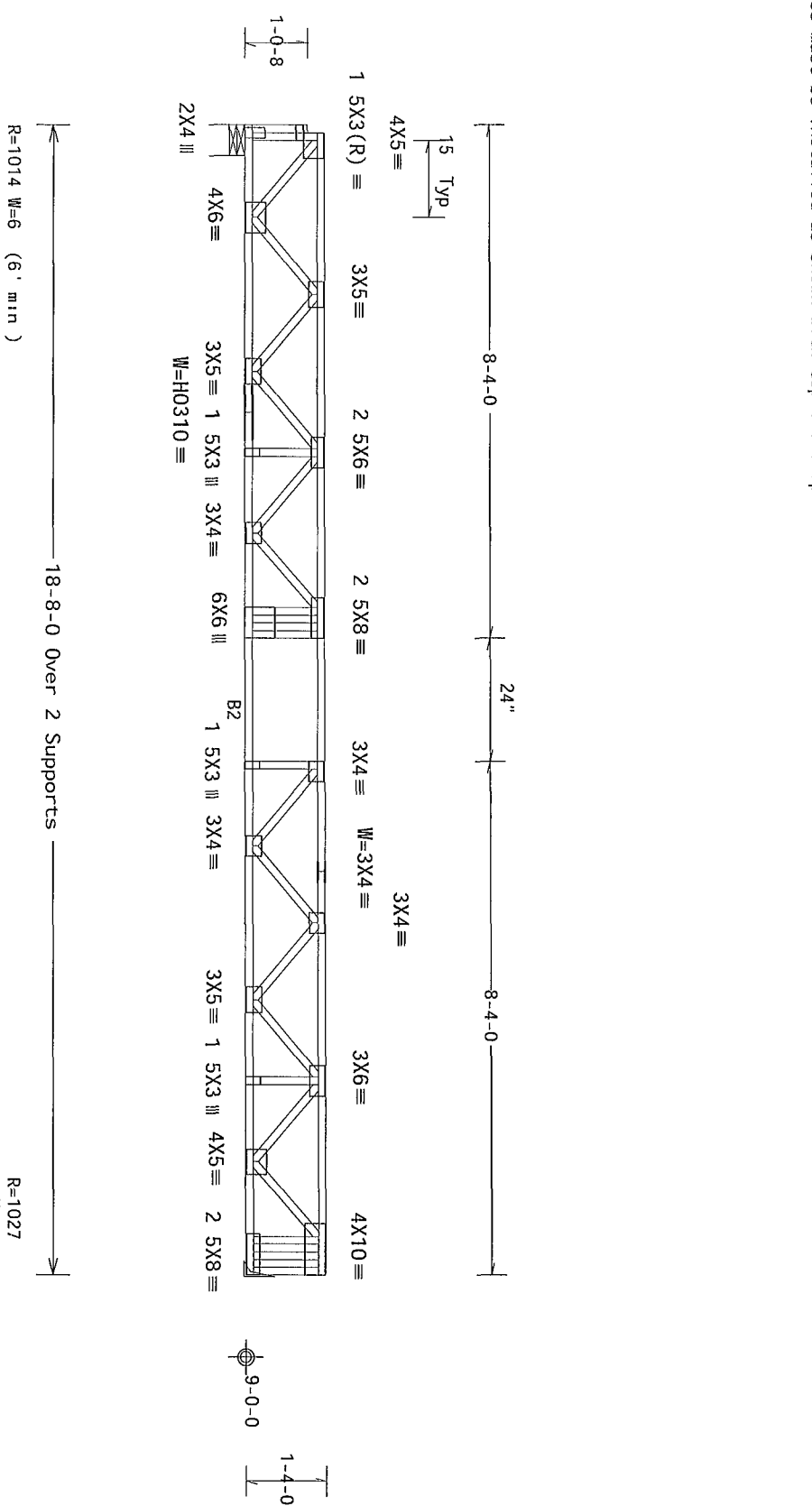


(13-288F--Premier Building /Becker Res Floor -- 337 sw rose creek drive lake city - F1 18'8" Floor Truss)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Top chord 4x2 SP #1-13B B2 4x2 SP M-30
Bot chord 4x2 SP #1-13B Webs 4x2 SP #3-13B
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC
Truss must be installed as shown with top chord up

See detail STRBRIBR0211 for bracing and bridging recommendations
Max JT VERT DEFL LL 0 28" DL 0 23" See detail DEFLCAMB0813 for camber recommendations
Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1 50



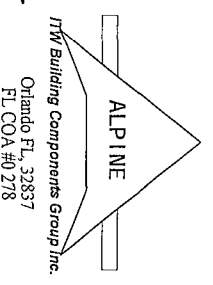
PLT TYP. 20 Gauge HS.Wave

Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%)/0(0)

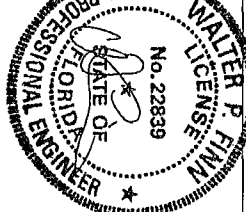
12.03.04.0026.13

QTY: 9 FL/-/4/-/R/-

Scale = .375"/Ft.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information on by TPI and WIDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r/g d ceiling. Load one shown for permanent lateral restraint of web.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any other code due to use in conjunction with other codes or for handling, shipping, installing, or bracing. Refer to drawings 160A-Z for standard plate positions. A seal on the details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on the drawing or cover page listing the design and codes acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ASCE/TP1 Sec 2. For more information see this job's General notes page ITW-860 www.itwbcg.com TPI www.tpi.net WIDA www.structure.com
ITW Building Components Group Inc.
Orlando FL 32837
FL COA #0278



TC LL	40.0 PSF	REF	R9114- 40079
TC DL	10.0 PSF	DATE	12/09/13
BC DL	5.0 PSF	DRW	HCUR9114 13343030
BC LL	0.0 PSF	HC-ENG	SSB/WMPF
TOT. LD.	55.0 PSF	SEQN-	1402
DUR. FAC.	1.00		
SPACING	24.0"	JREF-	1V21487_Z01

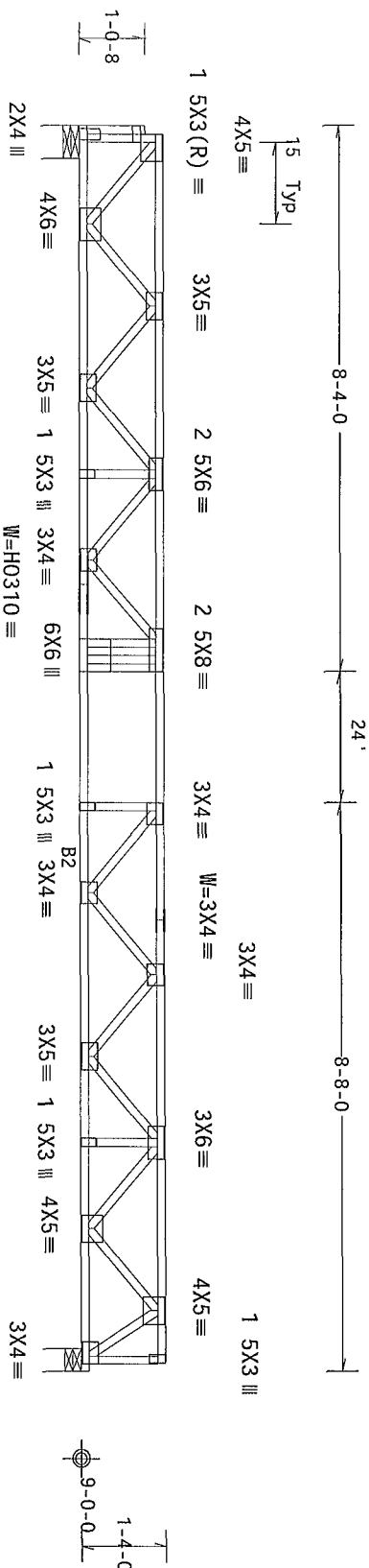
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(Truss)

See detail STBR1BR0211 for bracing and bridging recommendations

Max JT VERT DEFL LL 0 32" DL 0 25" See detail DEFLCAMB0813 for camber recommendations

Deflection meets $L/360$ live and $L/360$ total load Creep increase factor for dead load is 1.50

Truss must be installed as shown with top chord up



$R=1034 \text{ W}=6 \text{ (6" min)}$

R=1031 W=4" (4" min)

PLT TYP 20 Gauge HS, Wave

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%)/0(0)	

12.03.04

QTY:4 FL/-/4/-/-/R/-

Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

..IMPORTANT..
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WFOA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.

shall have bracing installed per BCS1 sect. 053.07 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be responsible for any dev action from this des

bracing of trusses. Apply plates to each face of truss and post on as shown above and on the joint any failure to build the truss in conformance with ANSI/APA 1 or for nailing in nailing installation.

Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions A seal on this drawing or cover page listing this drawing and dates acceptance of professional engineering

The suitability and use of this design for any structure is responsibility solely for the design shown.

the responsibility of the building designer per ANSI/AP11 Sec 2. For more information see this job's general notes page 1TW-BCG www.itwbcg.com TP1 www.epinst.org WTCA www.spcindustry.com

ICC www.iccsafe.org

WALTER P. FINN
LICENSE

No. 22839
STATE OF



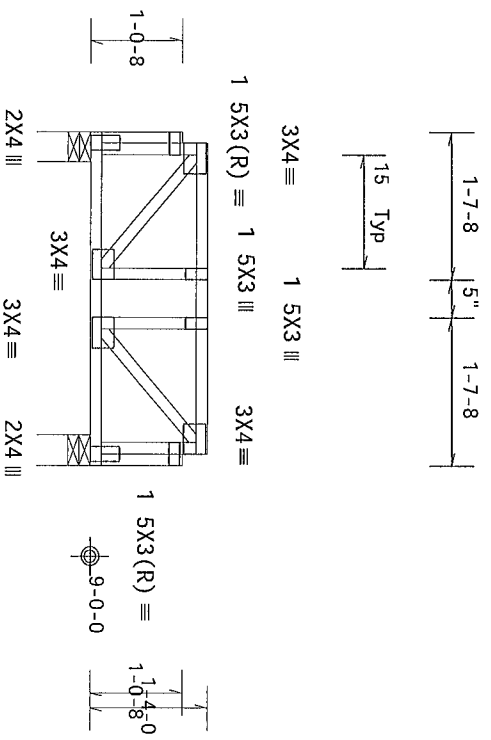
~~12/09/2013~~

4 FL/-/4/-/-/R/-		Scale = .375"/Ft.
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TC DL	10.0 PSF	DATE 12/09/13
BC DL	5.0 PSF	DRW HCU8R9114 13343001
BC LL	0.0 PSF	HC-ENG SSB/MHK
TOT.LD.	55.0 PSF	SEQN- 22824
DUR.FAC.	1.00	
SPACING	24.0"	JREF- 1V21487_Z01

(13-288F--Premier Building /Becker Res Floor -- 337 sw rose creek drive Lake City - F3 3 8 Floor Truss)

Top chord 4x2 SP #1-13B
 Bot chord 4x2 SP #1-13B
 Webs 4x2 SP #3-13B
 Lumber grades designated with "13B" use design values approved
 1/30/2013 by ALSC

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
 Deflection meets L/360 live and L/360 total load Creep increase
 factor for dead load is 1.50
 Truss must be installed as shown with top chord up



≤3-8-0 Over 2 Supports ≥
 R=189 W=4" (4' min)
 R=189 W=4' (4" min)

PLT TYP Wave Design Crit FBC2010Com/TPI-2007 (STD) 12.03.04 QTY:5 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

NTW Building Components Group Inc.
 Orlando FL 32837
 FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

****IMPORTANT**** Trusses require extreme care in handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety Information by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

NTW Building Components Group Inc. (NTWBCG) shall not be responsible for any action from this design. It is the responsibility of the user to ensure that the design is used in accordance with the design. Details of connections shall be in accordance with the design. Refer to drawings 1604-2 for standard plate positioning and on this drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page TIR-BGC www.twbcg.com TPI www.tpiinc.org WTC www.stcindustry.com

TC LL	40.0 PSF	REF R9114- 40081
TC DL	10.0 PSF	DATE 12/09/13
BC DL	5.0 PSF	DRW HCUR9114 13343003
BC LL	0.0 PSF	HC-ENG SSB/WHK
TOT.LD	55.0 PSF	SEQN- 22770
DUR.FAC.	1.00	
SPACING	24.0"	JREF- 1V21487_Z01

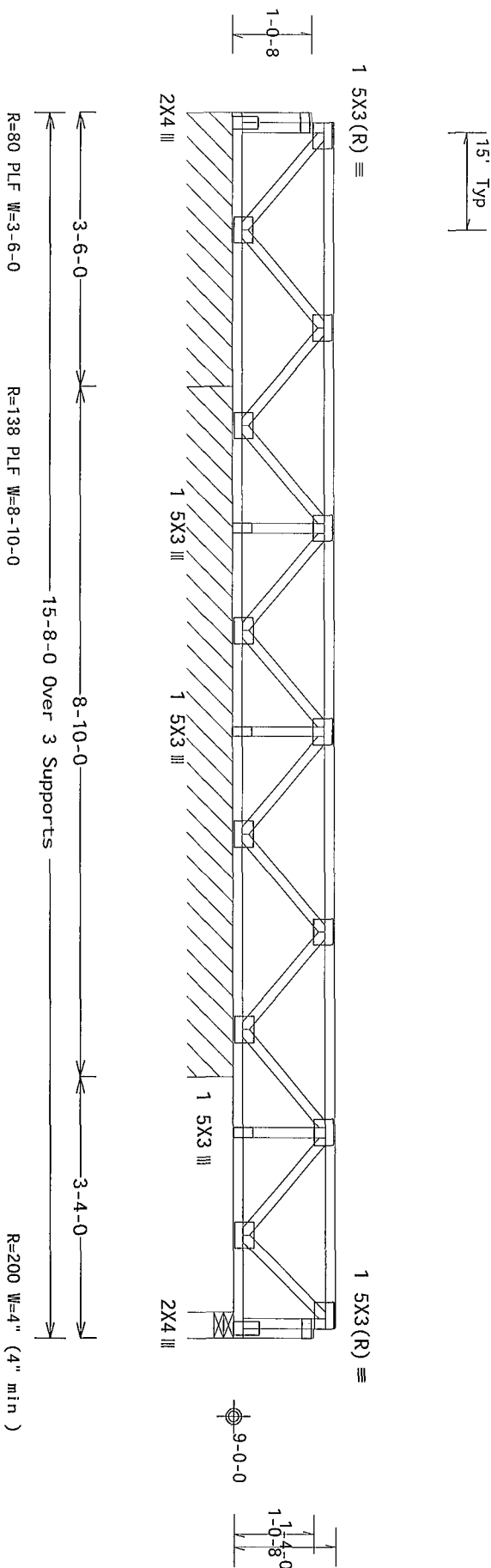
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
Y - F4 15'8" Floor Truss)

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

See detail S1BR1BR021 for bracing and bridging recommendations

Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50

Truss must be installed as shown with top chord up



Note All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=12%(0%)/0(0)
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12.03.04

QTY:1 FL/-/4/-/-/R/-

Scale = .5"/Ft.

ALPINE

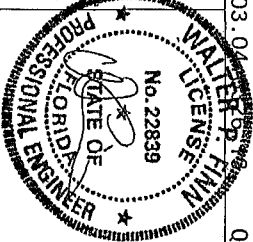
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT** FURNISH THIS DESIG TO ALL CONTRACTORS INCLUDING INSTALLERS**

Trusscraft rep. extendable cable in fabric cat handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI's Building Component Safety Information on by TPI and WTCO) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheath ring and bottom chord shall have three metalized per BCSI sections BS 87 or B10 as stipulated.

1TW Building Components Group Inc. (LTMBSC) shall not be responsible for any deviation from this design due to failure to build the trusses in conformance with our ANSI/TPI-1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of trusses and posit on as shown above and on the Joint Data is utilized noted otherwise. Refer to drawings BTB04-2 for standard plate positions. A seal on this Design is utilized noted otherwise. The suitability and use of this design for any structure is the responsibility solely for the design owner. For more information on see This Job's general notes page. 1TW-BOSG www.ltwbosg.com TP1 www.tpincat.org WTCO www.sbcindustry.com

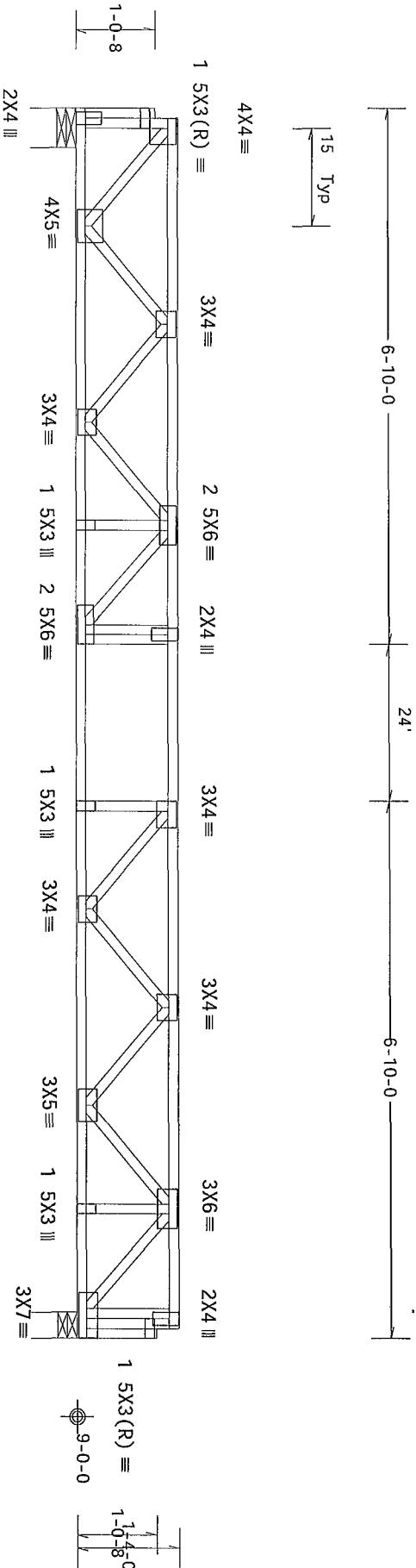


12/09/2013

FL/-/4/-/-/R/-		Scale=.5"/Ft.	
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BC DL	5.0 PSF	DRW	HCSR9114 13343011
BC LL	0.0 PSF	HC-ENG	SSB/WMH
TOT.LD.	55.0 PSF	SEQN-	22875
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1V21487_Z01

Top chord 4x2 SP #1-13B
 Bot chord 4x2 SP #1-13B
 Webs 4x2 SP #3-13B
 Lumber grades designated with "13B" use design values approved
 1/30/2013 by ALSC

See detail STRBRIBR0211 for bracing and bridging recommendations
 Deflection meets L/360 live and L/360 total load Creep increase
 factor for dead load is 1.50
 Truss must be installed as shown with top chord up



R=844 W=6' (6" min)
 R=854 W=4" (4" min)

PLT TYP Wave Design Crit FBC2010Com/TP1-2007(STD) 12.03.04 QTY: 4 FL/-/4/-/-/R/- Scale = .5"/Ft.

<div><div>ALPINE</div><div>RTW Building Components Group Inc. Orlando FL, 32837 FL COA #0278</div></div>		<div><div><div><div><div><div>**IMPORTANT**</div><div>WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET</div><div>FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS</div><div>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCS (Building Component Safety) Information by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS! Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections B3, B7 or B10 as applicable.</div><div>RTW Building Components Group Inc. (ITWBCG) shall not be responsible for any deck action from this design. Any failure to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, installation, details or cover page listing in this drawing. This submittal and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1-1 Sec 2. For more information on see general notes page ITW BCG www.itwbcg.com TPI www.tpi.net org WTC www.sbcindustry.com IBC www.ircsource.org</div></div></div></div></div></div>		<div><div><div><div><div><div>PROFESSIONAL ENGINEER</div><div>WALTER P. HINN</div><div>No. 22839</div><div>STATE OF FLORIDA</div><div>12/09/2013</div></div></div></div></div></div>		<table><tr><td>TC LL</td><td>40.0 PSF</td><td>REF</td><td>R9114- 40083</td></tr><tr><td>TC DL</td><td>10.0 PSF</td><td>DATE</td><td>12/09/13</td></tr><tr><td>BC DL</td><td>5.0 PSF</td><td>DRW</td><td>HCUSR9114 13343013</td></tr><tr><td>BC LL</td><td>0.0 PSF</td><td>HC-ENG</td><td>SSB/WHK</td></tr><tr><td>TOT LD</td><td>55.0 PSF</td><td>SEQN-</td><td>22820</td></tr><tr><td>DUR. FAC.</td><td>1.00</td><td></td><td></td></tr><tr><td>SPACING</td><td>24.0"</td><td>JREF-</td><td>1V21487_Z01</td></tr></table>		TC LL	40.0 PSF	REF	R9114- 40083	TC DL	10.0 PSF	DATE	12/09/13	BC DL	5.0 PSF	DRW	HCUSR9114 13343013	BC LL	0.0 PSF	HC-ENG	SSB/WHK	TOT LD	55.0 PSF	SEQN-	22820	DUR. FAC.	1.00			SPACING	24.0"	JREF-	1V21487_Z01
TC LL	40.0 PSF	REF	R9114- 40083																																
TC DL	10.0 PSF	DATE	12/09/13																																
BC DL	5.0 PSF	DRW	HCUSR9114 13343013																																
BC LL	0.0 PSF	HC-ENG	SSB/WHK																																
TOT LD	55.0 PSF	SEQN-	22820																																
DUR. FAC.	1.00																																		
SPACING	24.0"	JREF-	1V21487_Z01																																

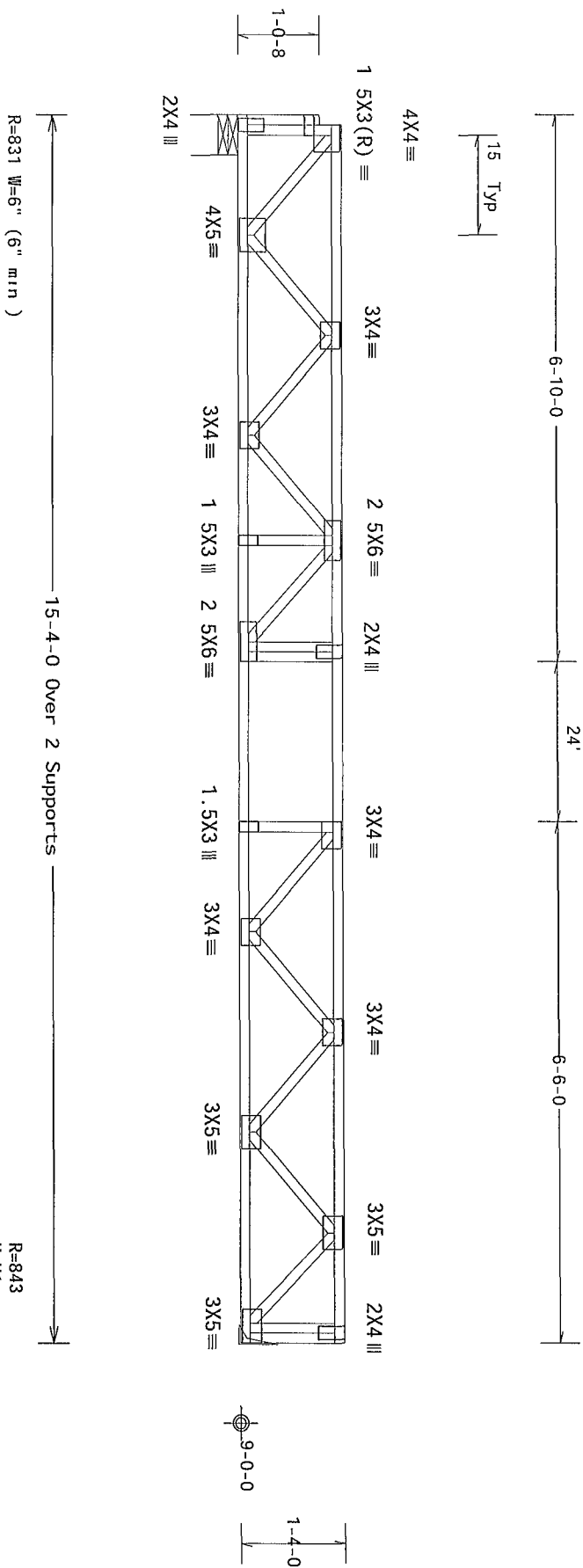
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

See detail STRBRI BR0211 for bracing and bridging recommendations

(J) Hanger Support Required, by others

Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50

Truss must be installed as shown with top chord up



PLT_TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=12%(0%)/0(0)
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1.1.1.2	100%
1.1.1.3	100%
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12.03.04 0326 13

QTY:5

FL-/-/4/-/-/R/-

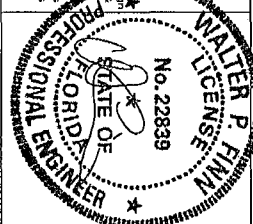
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

*****IMPORTANT*** SUBMIT THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**
 Trustees need no extreme care in fabricating and installing and bracing
 follow the latest edition of ECBS (Building Component Safety Information by TPI and WCA) for safety
 practices prior to performing these functions. Installers shall provide temporary bracing per ECBS
 shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraint of
 shall have bracing installed per ECBS sections 8.87 or 8.10 as applicable.
 1TW Building Components Group, Inc. (1TWBCG) shall not be responsible for any design or erection
 any 2nd floor to build the truss in conformance with ANSI/TPI 1 for the handling and lifting installation
 details unless noted otherwise. Apply plates to each face of truss and post as shown above and on the Joint
 responsibility solely for the design shown. The suitability and use of this design for any structure is
 the responsibility of the Building Designer. ANSI/TPI 1 Sec 2 For more information see This job
 general notes page 1TW BCG www.1twbcg.com TPI www.tpi.net WCA www.stcindustry.com
 1TW Building Components Group, Inc.



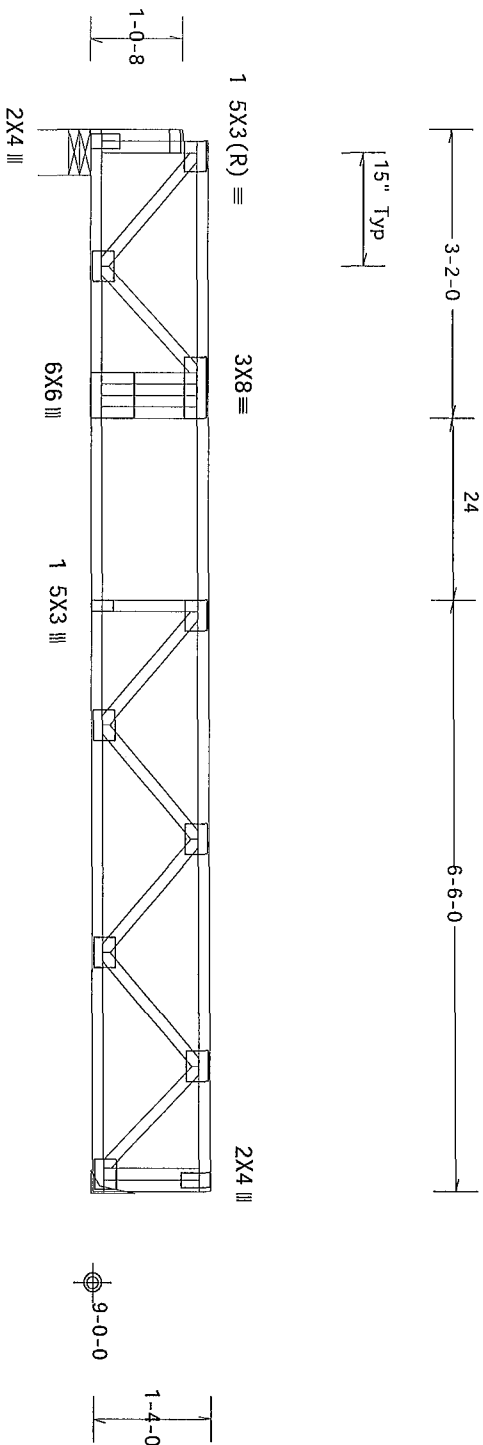
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BC LL	0.0 PSF	HC-ENG	SSB/MMHK
TOT.LD.	55.0 PSF	SEQN-	22818
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1V21487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

See detail STBR1BR0211 for bracing and bridging recommendations

Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50

Truss must be installed as shown with top chord up



11-8-0 Over 2 Supports \rightarrow

Note All Plates Are 3X4 Except As Shown.

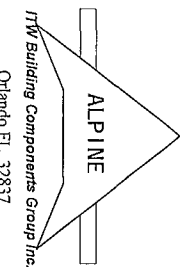
PLT TYP. Wave	Design Crit	FBC2010Com/TP1-2007 (STD)	FT/RT=12%(0%)/0(0)
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12.03.04 12.03.04 QTY: 4 FL/-/4/-/-/R/- Scale = .5"/Ft.

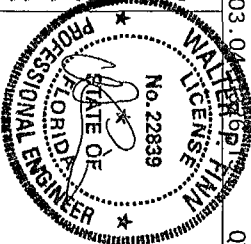
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenison, require someone care in fabricating shipping installation and bracing. Refer to and follow the latest edition of BCSI's Building Component Safety Information on by TPI and WDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI Unless noted otherwise, top chord shafts have properly attached structural sheath and bottom chord shall have a properly attached r/d ceiling. Loose ends shown for permanent lateral restraint or webs shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

17W Bldg Inc Components Group Inc (17WBODG) shall not be responsible for any deviation from the design and construction of the building as shown on the drawings and specifications, or for any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation or bracing of trusses. Applied plates to each face of truss and post are shown above and on the Joist and are to be installed on the underside of the truss. The truss shall be installed on the floor joists on this side of the building as shown. Refer to drawing 17BODG-2 for standard details and details on this side of the building as shown. The sub truss and use of this design for any structure is the responsibility solely for the building design shown. per ANSI/TPI 1 Sec 2 For more information on see This job is general notes page 17W BODG www.17wbodg.com TPI www.tpi.net.org WTCA www.sbc-industry.com CDC www.cdcarchive.org



Orlando FL, 32835
FL COA #0278



12/09/2013

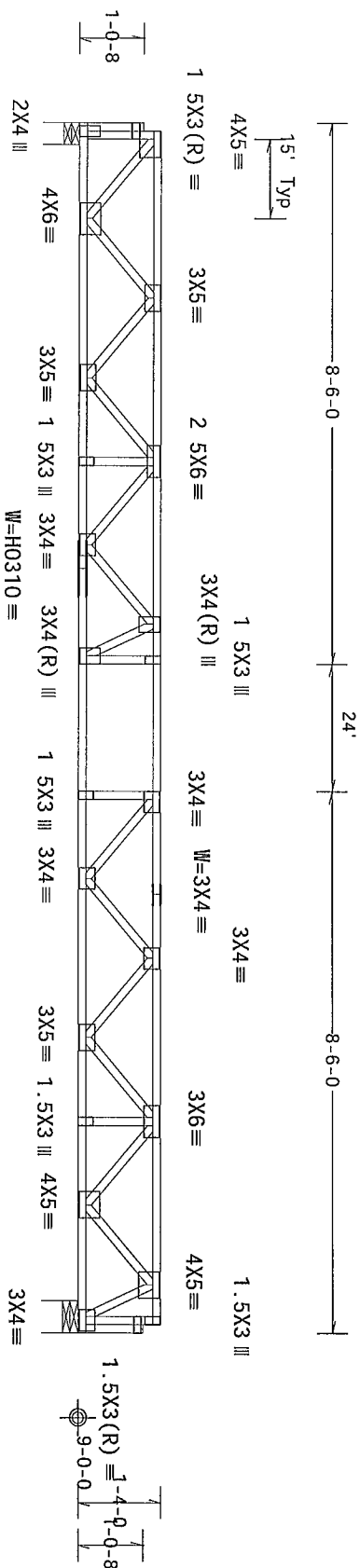
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BC DL	5.0 PSF	DRW	HCU89114 13343006
BC LL	0.0 PSF	HC-ENG	SSB/WHK
TOT. LD.	55.0 PSF	SEON-	22814
DUR. FAC.	1.00		
SPACING	24.0"	JREF-	1V21487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Lumber grades designated with '13B' use design values approved 1/30/2013 by ALSC

Truss must be installed as shown with top chord up

See detail STRBR1BR0211 for bracing and bridging recommendations	
Max JT VERT DEFL LL 0 31" DL 0 23" See detail DEFLCAMB0813 for camber recommendations	
Deflection meets L/360 live and L/360 total load	Creep increase
Factor for dead load is 1 50	



R=1032 W=4 (4" min)

$R=1032$ $W=6''$ ($6''$ min)

PLT TYP 20 Gauge HS, Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=12%(0%)/0(0)
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12.03.04

QTY:1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

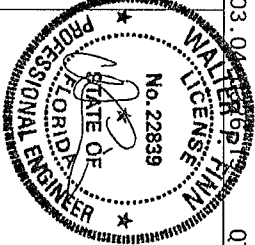
Tasuses requiring care in fabricating, handling, shipping, installing, and bracing. Refer to and follow the latest edition of BCSI (Build-up Component Safety) Information on by TPI and WTD). For safety practices noted or to performing those functions, installers shall prove de temporary bracing per BCSI. Unless noted otherwise, post chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid cailing. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B6 or B10 as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

This job
the response bill of the Building Des gner per ANSI/AP1 1 Sec 2 For more information see
general notes page 1TW BCG www tcbcg com TP1 www tpinst org WTCA www sbcindustry com
CC www ccstate org



12/09/2013

TC LL	40.0 PSF	REF	R9114- 40086
TC DL	10.0 PSF	DATE	12/09/13
BC DL	5 0 PSF	DRW	HCUSR9114 13343007
BC LL	0.0 PSF	HC-ENG	SSB/MMHK
TOT LD	55 0 PSF	SEQN-	22834
DUR,FAC.	1.00		
SPACING	24.0"	JREF-	1V21487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

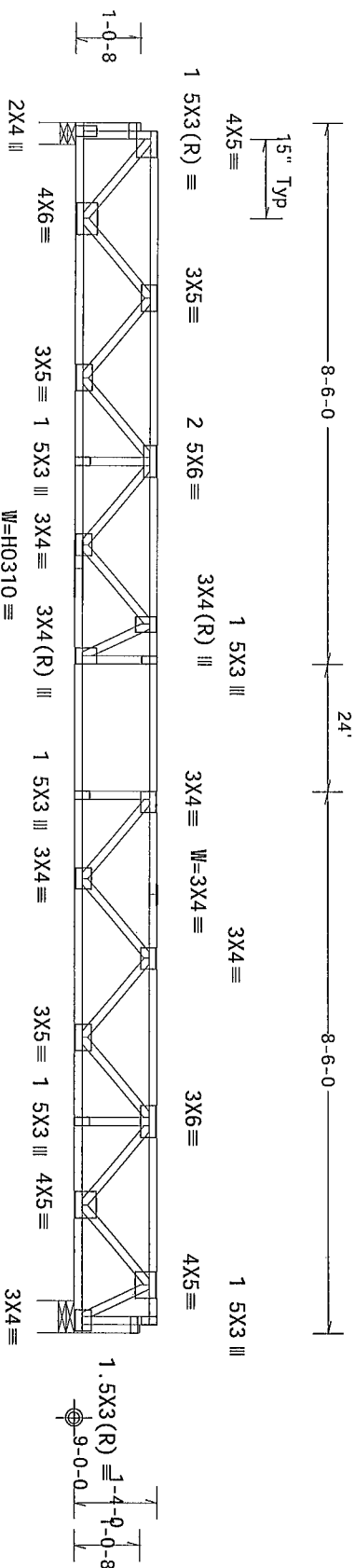
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Truss must be installed as shown with top chord up

See detail STRBR1B0211 for bracing and bridging recommendations

Max JT VERT DEFLL 0 31' DL 0 23" See detail DEFLCAMB0813 for camber recommendations

Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50



$R=1032 \text{ W}=4' (4' \text{ min})$

R=1032 W=6" (6' min)

PLT TYP 20 Gauge HS, Wave

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%)/0(0)	

12.03.04

QTY.10 FL/-/4/-/-/R/-

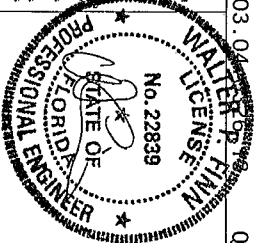
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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trussess require extensive care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP's (Bu. of Nat. Comp. Safety Information by TPI and WDCO) for safety practices prior to performing any these functions. Installers shall provide temporary bracing per BCSP's Unides not otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locks are shown for permanent lateral restraint of webs shall have bracing installed per BCSP's sects. 83, 87 or 810 as applicable.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



12/09/2013

TC LL	40.0 PSF	REF	R9114- 40087
TC DL	10.0 PSF	DATE	12/09/13
BC DL	5.0 PSF	DRW	HCSUR9114 13343010
BC LL	0.0 PSF	HC-ENG	SSB/WMH
TOT LD	55 0 PSF	SEQN-	22776
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1V21487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(at Girder)

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

-----	Lumber	Dur Fac = 1 25 /	Plate	Dur Fac = 1 25)
TC-	From	27 pif at 0 00 to	27 pif at 18 83	
BC-	From	10 pif at 0 00 to	10 pif at 18 83	
TC-	1026 80	1b Conc	Load at 2 15, 4 15, 6 15, 8 15	
10	15, 12 15, 14 15, 16 15, 18 15			

Max JT VERT DEFL LL 0 50" DL 0 64' See detail DEFLCMB0813 for camber recommendations
Roofs incorporating this truss require consideration for ponding design by Building Designer

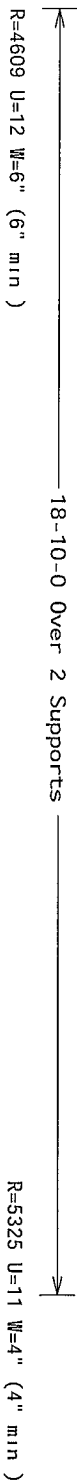
Truss must be installed as shown with top chord up

(***) 20 gauge Metal Plate or strap, or equivalent required to distribute reaction at joint Refer to detail RIGINSRT1210 for more information

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP(+/-)=0 18

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Calculated vertical deflection is 0 50" due to live load and 0 64" due to dead load at X = 8-1-2



12.03.04 0326 13

QTY.1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

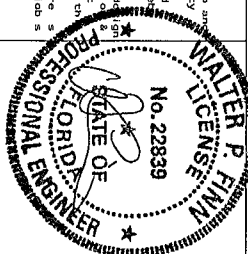
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trussess require a crane or crane car in fabricating, installing and bracing. Refer to any follow the latest edition of BCS (6) and 10th Amendment Safety Information by TPI and WFO for safety practices used or to perform any these functions. Installers shall provide temporary bracing per BCS. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid collar. Locations shown for permanent lateral bracing are of wood shall have bracing installed per BCS sections 83, 87 or 810 as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



TC LL	20.0 PSF	REF	R9114- 40088
TC DL	7.0 PSF	DATE	12/09/13
BC DL	10.0 PSF	DRW	HCUSR9114 13343031
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT.LD.	37.0 PSF	SEQN-	22951
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V21487_Z01

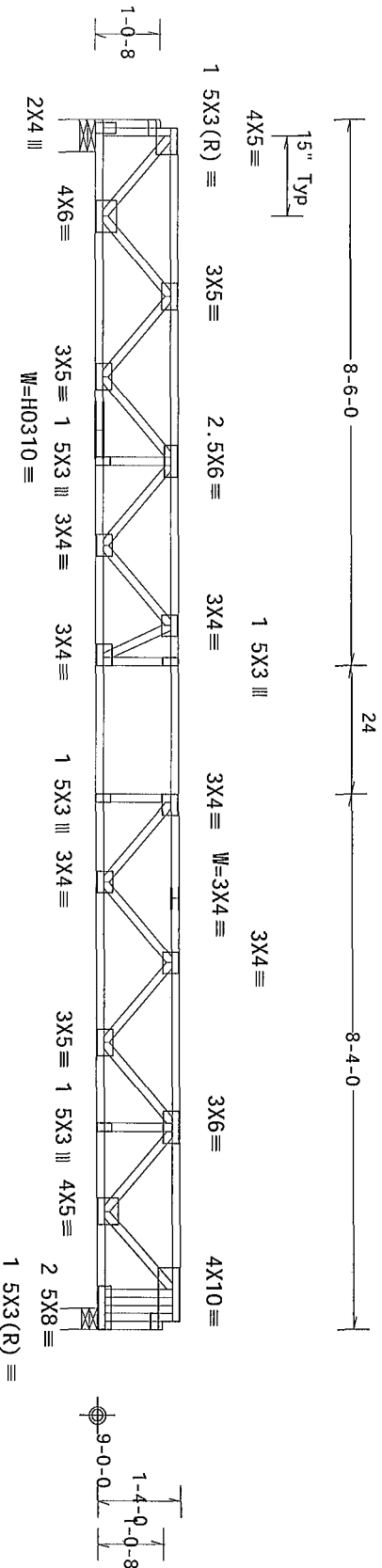
(13-288F--Premier Building /Becker Res Floor -- 337 sw rose creek drive Lake City - Ft 18'10" Floor Truss)

Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Truss must be installed as shown with top chord up

See detail STRBR1BR0211 for bracing and bridging recommendations
Max JT VERT DEFL LL 0 29" DL 0 23" See detail DEFLECAMB0813 for
camber recommendations
Deflection meets L/360 live and L/360 total load Creep increase
factor for dead load is 1 50



18-10-0 Over 2 Supports
R=1019 W=6" (6" min)
R=1028 W=4" (4" min)

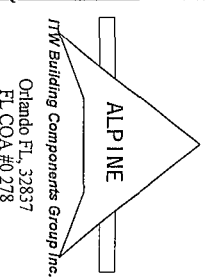
PLT TYP 20 Gauge HS, Wave

Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%/0/0)

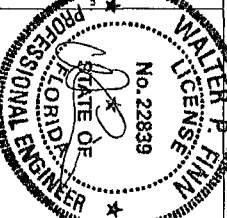
12.03.04.09.00.13

QTY: 4 FL/-/4/-/4/-/4/-

Scale = .375"/Ft.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WFOA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TP1-1 or for handling, installing, or bracing. Details, unless noted otherwise, shall be drawn per 1604-A-2 for standard plate positions. A seal on this drawing or cover page listing the design shall be provided and acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user of the Building Design per ANSI/TP1-1 Sec 2. For more information see the response by ITW BCG www.bcg.com www.tpincorp.org WFOA www.abctindustry.com This job is IBC www.iceadef.org



ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0278

12/09/2013

TC LL	40.0 PSF	REF R9114-40089
TC DL	10.0 PSF	DATE 12/09/13
BC DL	5.0 PSF	DRW HCURS9114 13343012
BC LL	0.0 PSF	HC-ENG SSB/WHK
TOT LD.	55.0 PSF	SEQN- 22782
DUR. FAC.	1.00	
SPACING	24.0"	JREF- 1V21487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

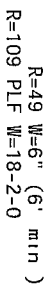
Webs 4x2 SP #3-13B

Webs 4x2 SP #3-13B

See detail STRBR1BR0211 for bracing and bridging recommendations
Deflection meets L/360 live and L/360 total load Creep increase
factor for dead load is 1.50
Truss must be installed as shown with top chord up

Truss must be installed as shown with top chord up

Fasten rated sheathing to one face of this frame



Design Crit FBC2010Com/TP1-2007(STD)

$$\text{FT/RT} = 12\% (0\%) / 0 (0)$$

12.03.04 03:13

QTY:2 FL/-/4/-/-/R/-

Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc.

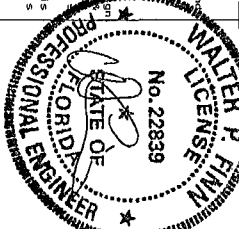
Orlando FL, 32837
FL COA #0278

****IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**

Trustees require extreme care in fabricating, handling, shipping, installing and bracing of the latest edition of the BCS1 (Building Component Safety) Information by TPI and WTCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1 unless noted otherwise. The above shall have properly attached structural sheathing and bottom chord shall have temporary bracing per BCS1 sections 83, 87 or B10 as applicable.

17B Building Code (IBC) (IRC) shall not be responsible for any shipping from this office. Any failure to build in conformance with ANSI/TPI 1 for the handling and shipping of installation details of trusses. Apply plates to each face of truss and position as shown above and on the joint. Details unless noted otherwise. Refer to drawings 180A-2 for standard gable positions. A seal on the bottom chord is required for the design shown. The suitability and use of this design for any structure is the responsibility of the design engineer per ANSI/TPI 1 Sec 2. For more information see This job's general notes page 17B-BGS www.tpi.com WTCO www.abcdindustry.com

17C www.tpicare.org



~~12/09/2013~~

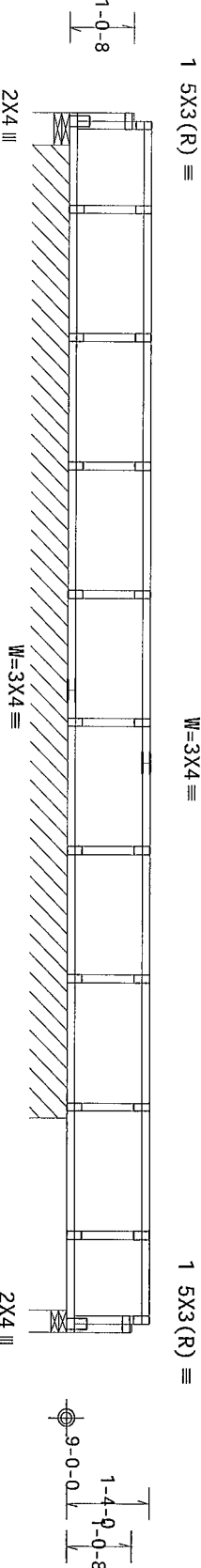
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TC DL	10.0 PSF	DATE	12/09/13
BC DL	5.0 PSF	DRW	HCUSR9114 13343014
BC LL	0.0 PSF	HC-ENG	SSB/WHK
TOT.LD	55.0 PSF	SEQN-	22828
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1V21487_Z01

Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Sheathing is required for any longitudinal(drag) forces All
connections to be designed by the building designer

See detail STRBRI8R0211 for bracing and bridging recommendations
Deflection meets L/360 live and L/360 total load Creep increase
factor for dead load is 1.50
Truss must be installed as shown with top chord up
Fasten rated sheathing to one face of this frame



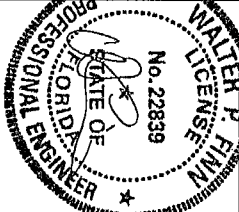
0'-6"-0"
15'-2"-0"
19'-0"-0" Over 3 Supports
3'-4"-0"
R=77 W=6" (6" min)
R=120 PLF W=15-2-0
R=168 W=4" (4" min)

Note All Plates Are 1 5X3 Except As Shown
Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%)/0(0)

12.03.04.0006.13 QTY: 1 FL/-/4/-/-/R/- Scale = .375"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in handling shipping installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) for safety practices prior to perforating these functions. Installers shall provide temporary bracing per BCSI. The truss manufacturer shall have bracing installed per BCSI section B3. B3 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any trussing build that deviates from this design shall be the responsibility of the installer. Details of cover plates setting in drawing and acceptance of professional engineering responses by the building designer. The building designer shall be responsible for any structure is general notes page ITW BCG www.itswing.com TP1 www.spincast.org WTC www.structure.com



TC LL	40.0 PSF	REF	R9114- 40091
TC DL	10.0 PSF	DATE	12/09/13
BC DL	5.0 PSF	DRW	HCSR9114 13343004
BC LL	0.0 PSF	HC-ENG	SSB/WHK
TOT. LD.	55.0 PSF	SEQN-	22822
DUR. FAC.	1.00		
SPACING	24.0"	JREF	1V21487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

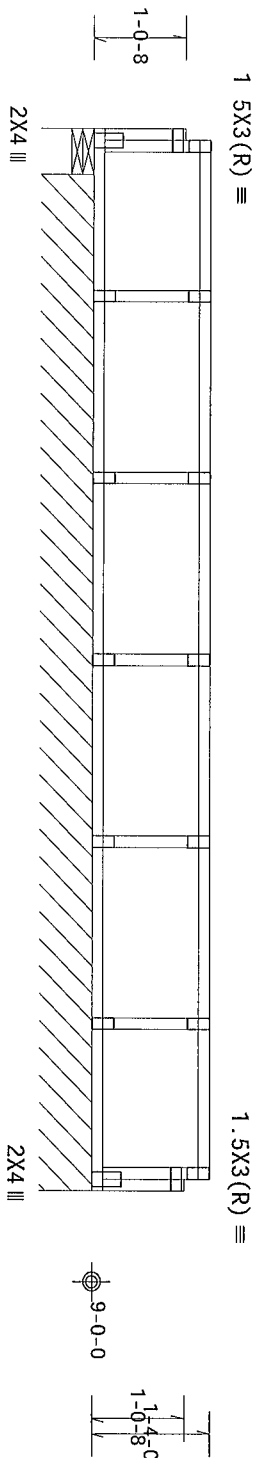
Sheathing is required for any longitudinal (drag) forces. All connections to be designed by the building designer.

See detail STRB1BR0211 for bracing and bridging recommendations

Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50

Truss must be installed as shown with top chord up

Fasten rated sheathing to one face of this frame



R=81 W=6' (6" min)
R=105 PLF W=11-2-0

Note All Plates Are 1.5X3 Except As Shown.

PLT TYP	Wave	FT/RT=12%(0%)/0(0)
PLT TYP	Wave	FT/RT=12%(0%)/0(0)

12 03.04 2023

QTY:1 FL/-/4/-/-/R/-

Scale = .5"/Ft.

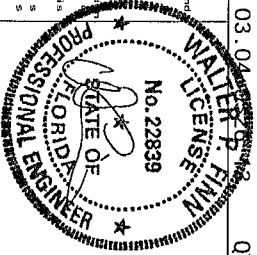
ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**

Trusses require extra care in fabricating, handling, shipping, installing, and bracing. Refer to the following the latest edition of BCSI (Building Component Safety) Information on by IP and WICA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached 1" x 6" ceiling. Locate ons shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3. For B10 as appl cable

[illegible]

12/09/2013

TC LL	40.0 PSF	REF	R9114 - 40092
TC DL	10.0 PSF	DATE	12/09/13
BC DL	5.0 PSF	DRW	H05R9114 13343008
BC LL	0 0 PSF	HC-ENG	SSB/WMH
TOT LD	55 0 PSF	SEQN-	22826
DUR.FAC.	1.00		
SPACING	24 0"	JREF-	1V21487_Z01

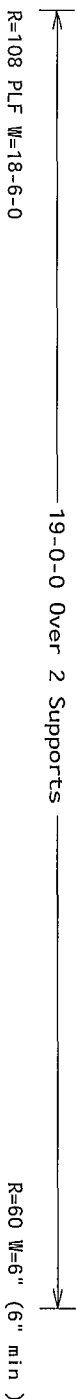
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

See detail STRBRIBR0211 for bracing and bridging recommendations

Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50

Truss must be installed as shown with top chord up

Fasten rated sheathing to one face of this frame



Design Crit. FBC2010Com/TP1-2007(STD)

$$FT/RT=12\%(0\%)/0(0)$$

12.03.04 0326 13

QTY: 1

FL/-/4/-/-/R/-

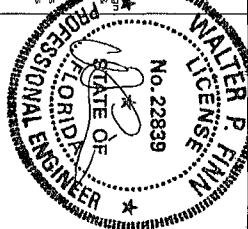
Scale = .375"/Ft.

Orlando FL, 32837
FL COA #0 278

IMPORTANT
WARNING: HEAD AND FOLLOWING ALL NOTES ON THIS SHEET!
 FORMER USE THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trussmen require an extreme care in fabricating handing in spigot meeting and bracing. Refer to any
 follow the latest set out of BCS1 (but id not Department Safety Information on by TPI and WTCOA) for safety
 practices prior to performing these functions. Installers must provide temporary bracing prior BCS1
 Unbraced member otherwise, top chord shall have properly attached structural sheath and bottom chord
 shall have bracing properly installed. BCS1 calling out for permanent lateral restraint of end
 shall have bracing installed per BCS1 sections B3 or B10 as applicable.

17B And iding Components Group Inc (IMBCOS) shall not be responsible for any deviation from this design
 it is intended to build this truss in conformance with AISC 360-11 or for handling in spigot installation
 details unless noted otherwise. Refer to drawing 1800-2 for standard plate notes only. A note on the
 drawing or covers noted otherwise. Refer to drawing and catalog acceptance of products only as bearing
 responses to a list solely for this design group. The use of AISC 360-11 and use of this design for any structure is
 the responses to a list of the iding design group per TPI and WTCOA. For more information on see. This is job
 general notes page 17B-BOS www.lbwinc.com TPI www.tpinet.org WTCOA www.sdcindustry.org
 ICC www.iccsafe.org



TC LL	40.0 PSF	REF	R9114- 4009
TC DL	10 0 PSF	DATE	12/09/13
BC DL	5.0 PSF	DRW	HCHSR9114 133430
BC LL	0 0 PSF	HC-ENG	SSB/MHK
TOT LD	55 0 PSF	SEQN-	22797
DUR,FAC.	1.00		
SPACING	24 0"	JREF-	1V21487_Z0

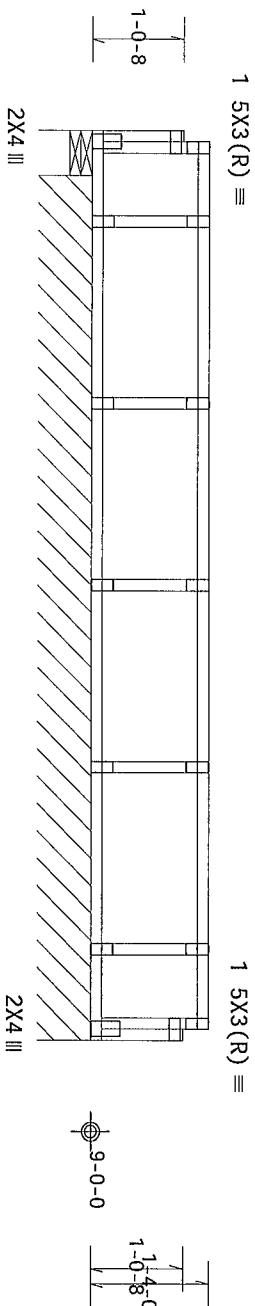
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50

Truss must be installed as shown with top chord up

Sheathing is required for any longitudinal (drag) forces. All connections to be designed by the building designer

Fasten rated sheathing to one face of this frame



R=21 W=6" (6" min)
R=111 PLF W=9-6-0

Note	All Plates Are 1 5X3 Except As Shown
PLT TYP	Wave
	Design Crit
	FBC2010Com/TP1-2007(STD)
	FT/RT=12%(0%)/0(0)

12 03 04 0326 13

QTY.1 FL/-/4/-/-/R/-

Scale = 5"/Ft.

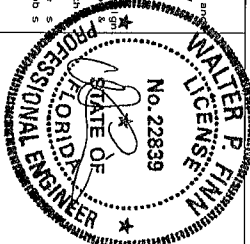
ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

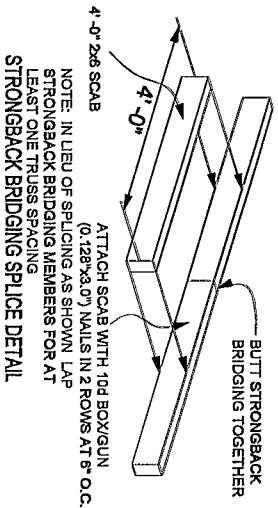
These requirements are a fair calling, handling, installing and bracing. Refer to any follow the latest edition of BCS (Building Component Safety Information by IP1 and WTA) for safety practices and to perform on these functions. Inspectors shall provide temporary bracing per BCS. Unless noted otherwise, no top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid cladding. Locks are shown for permanent lateral restraint of wall shall have bracing installed per BCS section 83.87 or 810 as applicable.

[illegible]

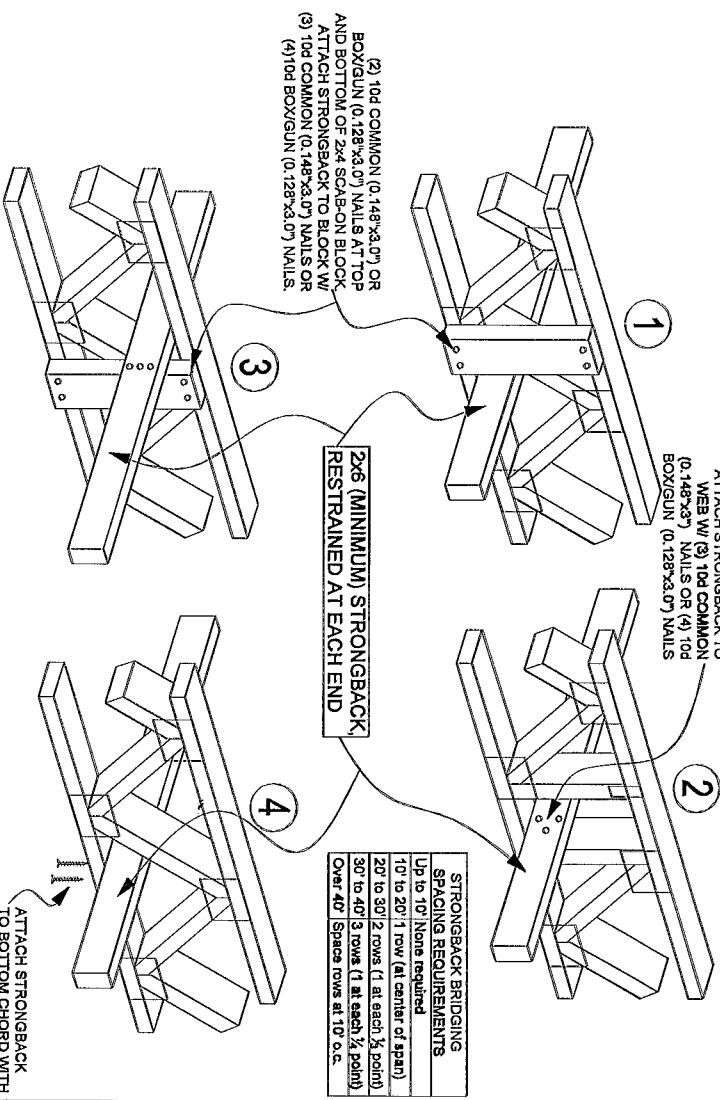
12/09/2013

TC LL	40 0 PSF	REF	R9114 - 40094
TC DL	10 0 PSF	DATE	12/09/13
BC DL	5 0 PSF	DRW	H05R9114 13343009
BC LL	0 0 PSF	HC-ENG	SSB/WHK
TOT LD	55.0 PSF	SEQN-	22792
DUR. FAC.	1.00		
SPACING	24.0"	JREF-	1V21487_Z01

STRONGBACK BRIDGING RECOMMENDATIONS



NOTE: Details 1 and 2 are the preferred attachment methods



STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES



Building Components Group Inc.

Earn City NO 63045

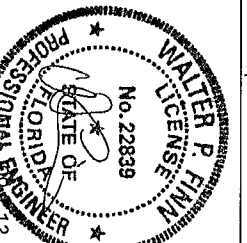
WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI Building Component Safety Information by TPI and ITW for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections BS & BT. See this job's general notes page for more information.

IMPORTANT PURCHASER COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in accordance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 301/1/80 (V.H./S/N) ASTM A579 A583 grade 57/10/60 (K/T/1/5) galv. steel. Apply plates to each face of truss. A seal on this drawing or seal on each connector plate shall be used to ensure proper installation and acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the building Designer per AISI/TPI 1 Sec. 2.

ITW-BCSI: www.itwbcg.com, TPI: www.tpiinc.com, ITCC: www.itccsteel.org



TC LL	PSF	REF	STRONGBACK
TC DL	PSF	DATE	2/28/11
BC DL	PSF	DRWG	STRBIBR0211
BC LL	PSF		
TOT LD	PSF		
DUR FAC	1.00		
SPACING			

- ▶ All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
- ▶ All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
- ▶ The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10' - 0" o.c. (max.)

The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by ITW Building Components Group Inc.

For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).

Commentary Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied
- Facilitates drainage to avoid ponding on flat or low slope roofs
- Compensates for different deflection characteristics between adjacent trusses
- Improves appearance of garage door headers and other long spans that can appear to "sag"
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits	
		Live Load	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)

Truss Type	Recommended Camber
Pitched Trusses	1/100 x Deflection from Actual Dead Load
Sloping Parallel Chord Trusses	1/5 x Vertical Deflection from Actual Dead Load
Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load
Flat Roof Trusses	(0.25 x Deflection from Live Load) + (1/5 x Design Dead Load Deflection)

Note: The actual dead load may be considerably less than the design dead load.



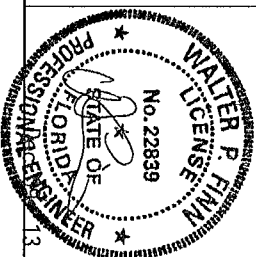
Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING. ***IMPORTANT*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions on the truss drawings. The Building Designer shall provide the following information to the truss manufacturer: 1. Truss type and span. 2. Truss depth. 3. Truss spacing. 4. Truss bracing. 5. Truss connections. 6. Truss loading. 7. Truss deflection. 8. Truss camber. 9. Truss material. 10. Truss finish. 11. Truss identification. 12. Truss storage. 13. Truss handling. 14. Truss shipping. 15. Truss installation. 16. Truss maintenance. 17. Truss safety. 18. Truss quality. 19. Truss warranty. 20. Truss disclaimer. 21. Truss release. 22. Truss signature. 23. Truss date. 24. Truss location. 25. Truss project. 26. Truss drawing. 27. Truss revision. 28. Truss title. 29. Truss subtitle. 30. Truss description. 31. Truss details. 32. Truss notes. 33. Truss specifications. 34. Truss standards. 35. Truss codes. 36. Truss regulations. 37. Truss laws. 38. Truss decrees. 39. Truss edicts. 40. Truss orders. 41. Truss commands. 42. Truss mandates. 43. Truss requirements. 44. Truss necessities. 45. Truss conveniences. 46. Truss utilities. 47. Truss comforts. 48. Truss pleasures. 49. Truss delights. 50. Truss joys. 51. Truss happiness. 52. Truss contentment. 53. Truss satisfaction. 54. Truss fulfillment. 55. Truss achievement. 56. Truss success. 57. Truss triumph. 58. Truss victory. 59. Truss conquest. 60. Truss mastery. 61. Truss expertise. 62. Truss skill. 63. Truss talent. 64. Truss ability. 65. Truss capacity. 66. Truss power. 67. Truss strength. 68. Truss endurance. 69. Truss resilience. 70. Truss flexibility. 71. Truss adaptability. 72. Truss resourcefulness. 73. Truss ingenuity. 74. Truss creativity. 75. Truss innovation. 76. Truss leadership. 77. Truss vision. 78. Truss mission. 79. Truss purpose. 80. Truss passion. 81. Truss dedication. 82. Truss commitment. 83. Truss loyalty. 84. Truss integrity. 85. Truss honesty. 86. Truss transparency. 87. Truss accountability. 88. Truss responsibility. 89. Truss reliability. 90. Truss trustworthiness. 91. Truss credibility. 92. Truss reputation. 93. Truss prestige. 94. Truss honor. 95. Truss respect. 96. Truss esteem. 97. Truss admiration. 98. Truss appreciation. 99. Truss gratitude. 100. Truss love. 101. Truss affection. 102. Truss fondness. 103. Truss liking. 104. Truss preference. 105. Truss choice. 106. Truss decision. 107. Truss action. 108. Truss behavior. 109. Truss conduct. 110. Truss character. 111. Truss personality. 112. Truss identity. 113. Truss individuality. 114. Truss uniqueness. 115. Truss specialness. 116. Truss preciousness. 117. Truss value. 118. Truss worth. 119. Truss importance. 120. Truss significance. 121. Truss meaning. 122. Truss purpose. 123. Truss reason. 124. Truss cause. 125. Truss effect. 126. Truss result. 127. Truss consequence. 128. Truss outcome. 129. Truss impact. 130. Truss influence. 131. Truss power. 132. Truss authority. 133. Truss jurisdiction. 134. Truss sovereignty. 135. Truss supremacy. 136. Truss dominance. 137. Truss preeminence. 138. Truss superiority. 139. Truss excellence. 140. Truss perfection. 141. Truss flawlessness. 142. Truss impeccability. 143. Truss impeccability. 144. Truss impeccability. 145. Truss impeccability. 146. Truss impeccability. 147. Truss impeccability. 148. Truss impeccability. 149. Truss impeccability. 150. Truss impeccability.

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installation & bracing of the truss. The Building Designer shall be responsible for the design shown, the suitability and use of the drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ITV.BCG www.itvbcg.com, TPI www.tpi.org, SDCA www.sdca.org, IBC www.iccsafe.org



REF	DEFLEC/CAMBER
DATE	8/2/13
DRWG	DEFLC/CAMBER13

ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID 1V5L487-Z0116130613



04/16/2014

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Revision

Truss Fabricator
Job Identification
Truss Count
Model Code
Truss Criteria
Engineering Software
Structural Engineer of Record,
Address
Minimum Design Loads

Anderson Truss Company

13-288F4--OWNER BUILDER /Becker Res Floor -- 337 sw rose creek drive, Haines City, (337) sw rose

15

Florida Building Code 2010

FBC2010Com/TPI-2007(STD)

Alpine Software, Version 12.03.

The identity of the structural EOR did not exist as of the seal date per section 61015-31.003(5a) of the FAC

Roof - N/A

Floor - 55.0 PSF @ 1.00 Duration

Wind - No Wind

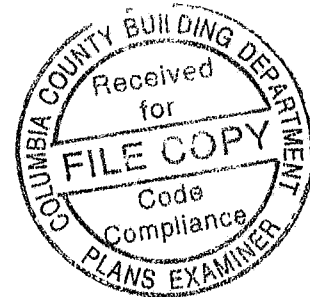
Notes

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

Details: STRBRIBR-DEFLCAMB-CNSY42PL-LSCSYX2A-

#	Ref	Description	Drawing#	Date
1	94480-F1	18' 11" Floor	14106012	04/16/14
2	94481-F2	18' 11" Floor	14106014	04/16/14
3	94482-F3	3' 5" 4 Floor T	14106011	04/16/14
4	94483-F3	3' 5" 4 Floor T	14106005	04/16/14
5	94484-F4	15' 6" 4 Floor	14106004	04/16/14
6	94485-F5	15' 4" Floor T	14106006	04/16/14
7	94486-F7	11' 8" Floor T	14106008	04/16/14
8	94487-F9	19' Floor Tru	14106009	04/16/14
9	94488-F10	18' 10" Flat	14106002	04/16/14
10	94489-FG	18' 11" Gable	14106013	04/16/14
11	94490-FG1	15' 4" Gable	14106001	04/16/14
12	94491-FG2	11' 8" Gable	14106010	04/16/14
13	94492--FG3	19' Gable	14106003	04/16/14
14	94493--FG4	10' Gable	14106007	04/16/14
15	94494-F8	19' Floor Tru	14106006	04/16/14

#31678



THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

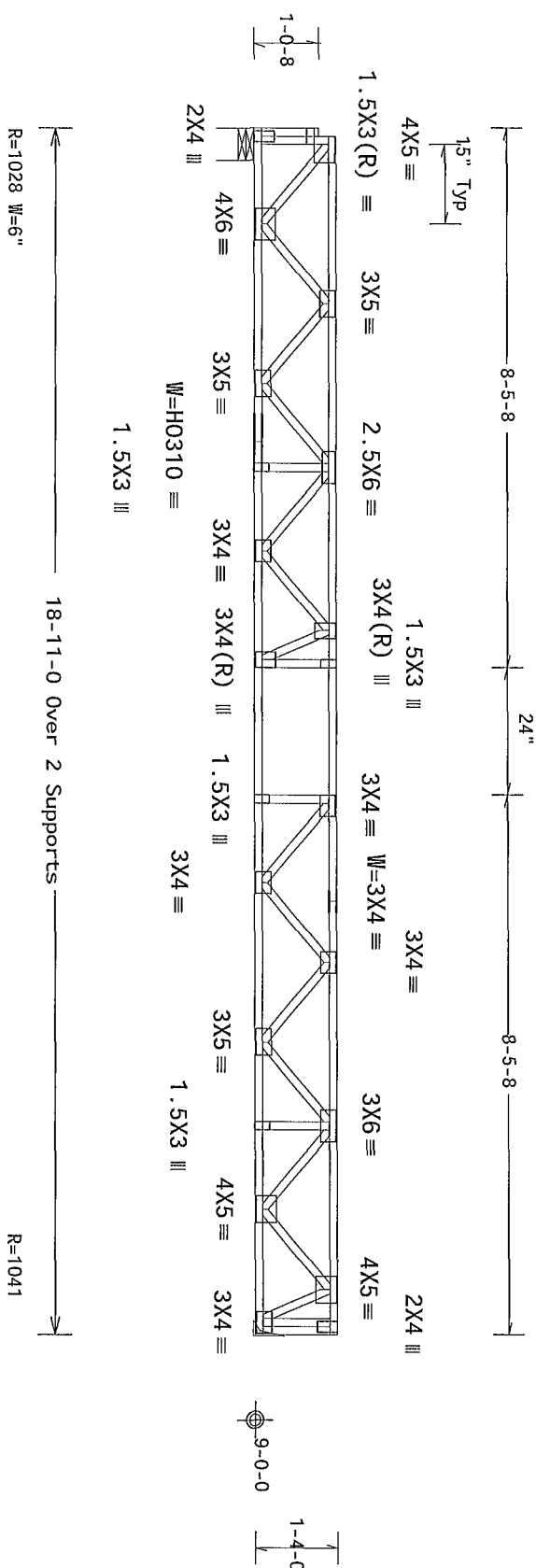
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Deflection meets $L/360$ live and $L/360$ total load Creep increases factor for dead load is 1.50

See detail STRBR/BK0211 for bracing and bridging recommendations

Max JT VERT DEFLL 0.31" DL 0.23" See detail DEFLLCAMB0813 for camber recommendations

(J) Hanger Support Required, by others



PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%)/0(0)

12.03.04 02:24

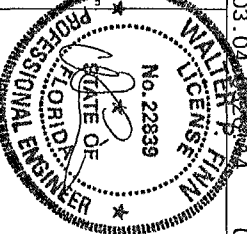
QTY:9 FL/-/5/-/-/R/-

Scale = .375"/Ft.

Orlando FL, 32837
FL COA #0 278

****IMPORTANT**** ****WARNING**** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
 These recent extreme care in fabricating, handling, air piping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety Information by TPI and WTCO) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached per BCSI sections. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/HP 1 or for handing air piping installation. Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover plate listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/HP 1 Sec 2. For more information see This job's general notes page ITW-BGS www.itwbcg.com TPI www.tpi.net WTCO www.sbcindustry.com
 www.tlccdc.org



TC LL	40.0 PSF	REF	R9114- 94480
TC DL	10.0 PSF	DATE	04/16/14
BC DL	5.0 PSF	DRW	HCSUR9114 14106012
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	55.0 PSF	SEQN-	30801
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1V5L487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

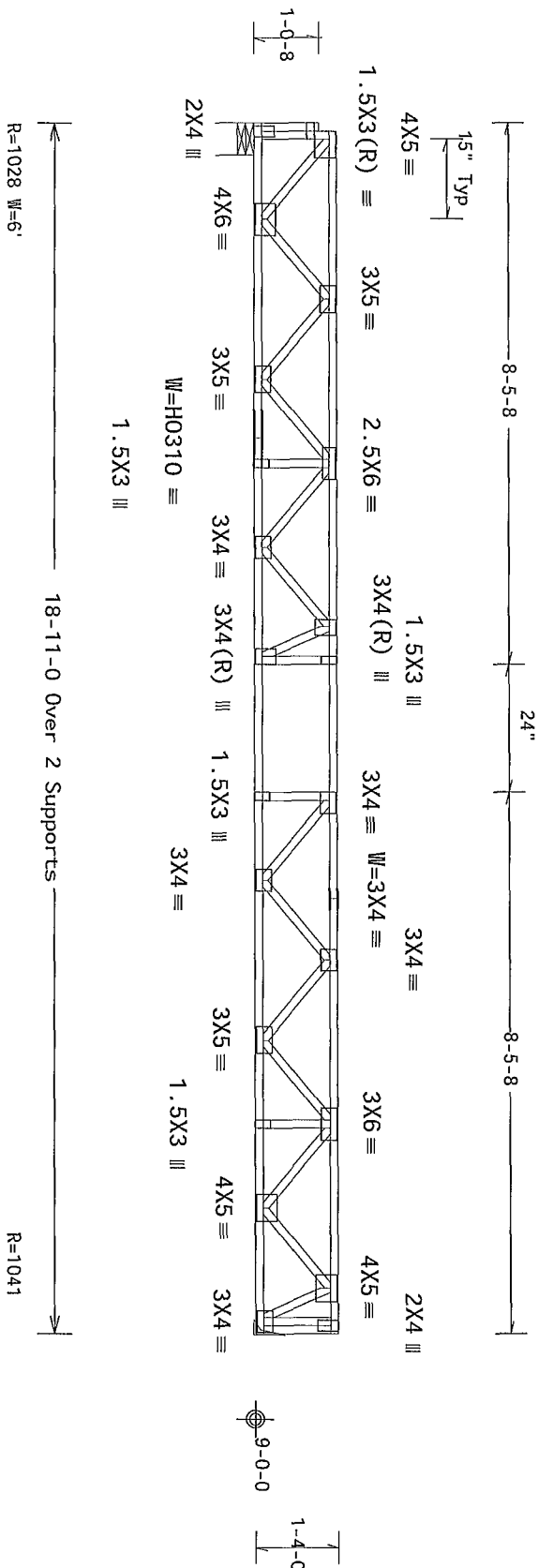
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Deflection meets $L/360$ live and $L/360$ total load Creep increasee factor for dead load is 1.50

See detail STRBR1BR0211 for bracing and bridging recommendations

Max JT VERT DEFL LL 0 31" DL 0 23" See detail DEFLCAMB0813 for camber recommendations

(J) Hanger Support Required, by others
Truss must be installed as shown with top chord up



PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%)/0(0)

12.03.04-26

QTY: 4

FL/-/5/-/-/R/-

Scale = .375"/Ft.

ALPINE

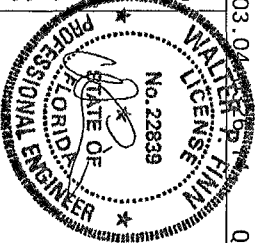
ITW Bidding Components Group Inc

Orlando FL, 32837
FL COA #0278

*****IMPORTANT*** FINISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**

Trussco require extreme care in fabricating, handling, shipping, installing, and bracing. Follow the latest edition of BCSP (Building Component Safety) Information by TPI and WTCO for safety practices prior to performing these truss and installer's shall provide temporary bracing per BCSP. Unbraced trusses, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSP sections 8, 87 or 810 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and post it on as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard girth positions. A seal on this drawing covers the entire truss and is not a representation of professional engineering. The design is the responsibility of the design engineer. The suitability of the design for the application and the structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This job general notes page. ITW-BCG www.itwbcg.com TPI www.tpi.com WTCO www.spdindustry.com



04/16/2014

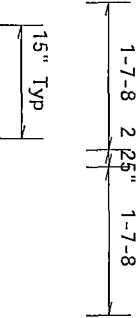
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TC DL	10.0 PSF	DATE	04/16/14
BC DL	5.0 PSF	DRW	HOUSE114 14106014
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	55.0 PSF	SEQN-	30805
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1V5L487_Z01

(13-288F4--OWNER BUILDER /Becker Res Floor -- 337 sw rose creek drive Lake City, - F3 3'5"4 Floor Truss) THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B

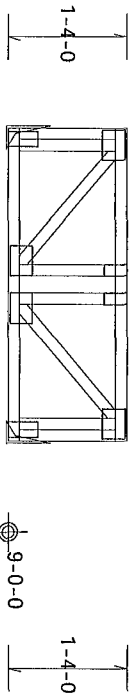
Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

(J) Hanger Support Required, by others
(J) Hanger Support Required, by others
Deflection meets L/360 live and L/360 total load Creep increase
factor for dead load is 1.50
Truss must be installed as shown with top chord up



1.5X3 III

3X4 ≡ 1.5X3 III 3X4 ≡



2X4 III 3X4 ≡ 2X4 III

3X4 ≡

< 3-5-4 Over 2 Supports

R=189
H=H1

PLT TYP. Wave

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=12%(0%)/0(0)

QTY: 5 FL/-/5/-/-/R/-

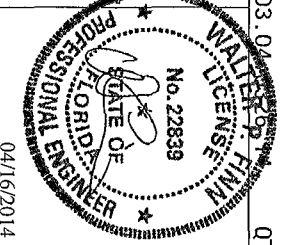
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0 278

****IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET**
Trusses require erection in full length, handling, shipping, installing and bracing. Refer to and follow the erection instructions of BCS Building Components, Inc. (BCS) for proper erection practices prior to performing these functions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS section 83, 87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation details, unless noted otherwise. Refer to drawings 1604-2 for standard place posts and on the joint details of the truss. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1, Section 2. For more information see the general notes page ITWBCG www.itwbcg.com TPI www.tpiinc.org WTCA www.stcindustry.com



TC LL	40.0 PSF	REF	R9114- 94482
TC DL	10.0 PSF	DATE	04/16/14
BC DL	5.0 PSF	DRW	HCUSR9114 14106011
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT. LD.	55.0 PSF	SEQN-	30802
DUR. FAC.	1.00		
SPACING	24.0"	JREF	1V5L487_201

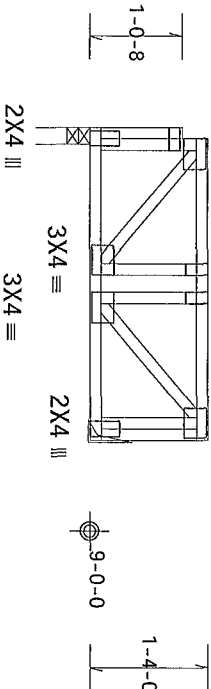
Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B
Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

(J) Hanger Support Required, by others
Deflection meets L/360 live and L/360 total load Creep increase
factor for dead load is 1.50
Truss must be installed as shown with top chord up



3X4 ≡ 1.5X3 ≡

1.5X3(R) ≡ 1.5X3 ≡ 3X4 ≡



< 3-5-4 Over 2 Supports

R=194
H=H1

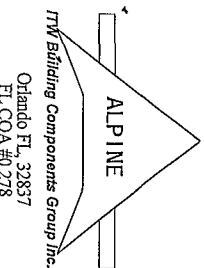
R=172 W=2 25"

PLT TYP. Wave Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=12%(0%)/0(0)

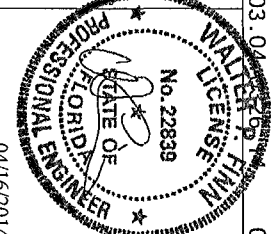
12.03.04

QTY: 1 FL/-/5/-/-/R/-

Scale = .5"/Ft.



****IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET.**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locate on shown for permanent lateral restraint of webs. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any failure of the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing or bracing of trusses. Apply bracing to each face of truss and position as shown above and on the joint on this drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the building designer. For more information see this job's general notes page. ITW-BCG www.bcg.com TPI www.tpiinst.org WTC www.steelindustry.com



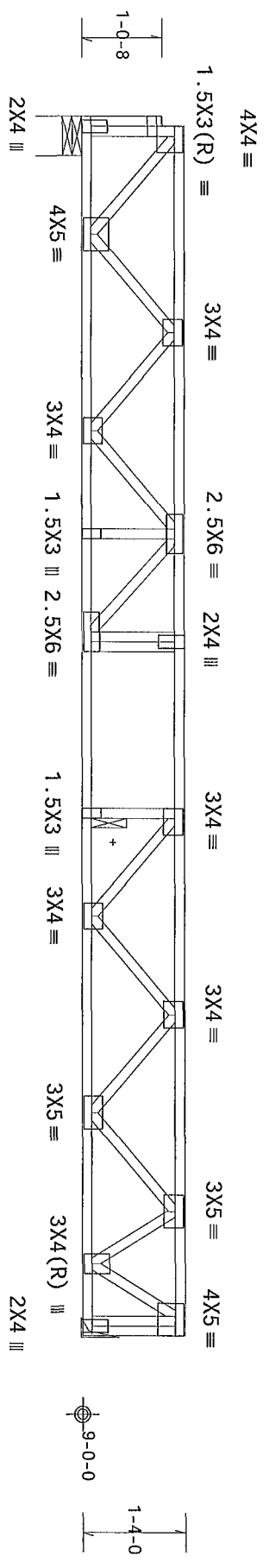
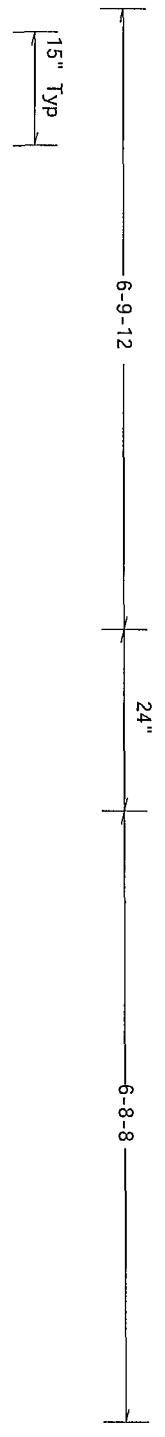
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TC DL	10.0 PSF	DATE 04/16/14
BC DL	5.0 PSF	DRW HOURS9114 14106005
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT. LD.	55.0 PSF	SEQN- 30806
DUR. FAC.	1.00	
SPACING	24.0"	JREF - 1V5L487_Z01

Top chord 4x2 SP #1-13B
 Bot chord 4x2 SP #1-13B
 Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

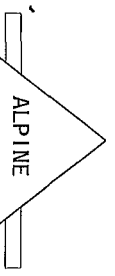
Truss must be installed as shown with top chord up

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
 + 2x6 continuous strongback See detail STRBRIBR0211 for bracing and bridging recommendations
 (J) Hanger Support Required, by others
 Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50



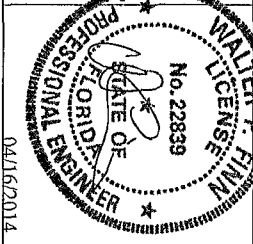
R=841 W=6"

PLT TYP. Wave Design Crit: FBC2010Com/TP1-2007 (STD) 12.03.04



Orlando FL 32837
 FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions on each truss for proper handling, shipping, installing and bracing. Do not use practices not otherwise noted on this drawing. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS1 sect one B3 B7 or B10 as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure of trusses, or any damage to property or persons. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see the general notes page ITW-BCG www.itwbcg.com TP1 www.tp1net.org WTC www.stcindustry.com
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure of trusses, or any damage to property or persons. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see the general notes page ITW-BCG www.itwbcg.com TP1 www.tp1net.org WTC www.stcindustry.com



QTY: 5	FL: -/5-/-/R/-	Scale = .5"/Ft.
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TC DL	10.0 PSF	DATE 04/16/14
BC DL	5.0 PSF	DRW HCUSR9114 14106004
BC LL	0.0 PSF	HC-ENG JB/WPF
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SPACING	24.0"	JREF - 1V5L487_Z01

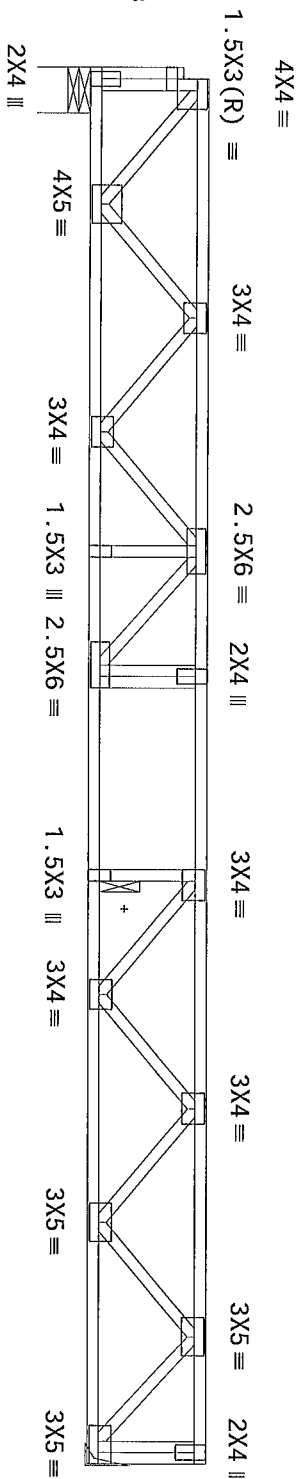
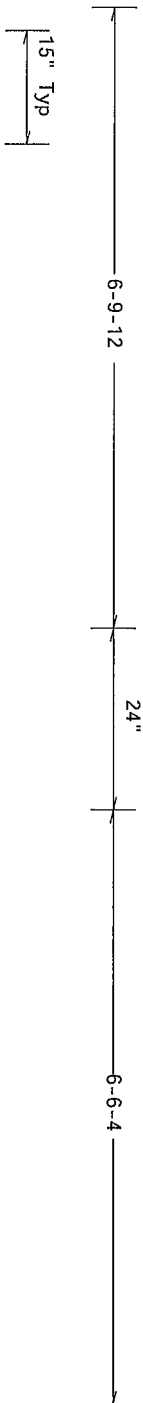
(13-288F4--OWNER BUILDER /Becker Res Floor -- 337 sw rose creek drive Lake City, - F5 15'4" Floor Truss) THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Truss must be installed as shown with top chord up

+ 2x6 continuous strongback See detail STRBRIBR0211 for bracing and
bridging recommendations
(J) Hanger Support Required, by others
Deflection meets L/360 live and L/360 total load Creep increase
factor for dead load is 1.50



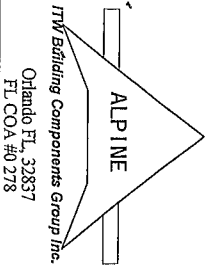
PLT TYP. Wave

Design Crit: FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%)/0(0)

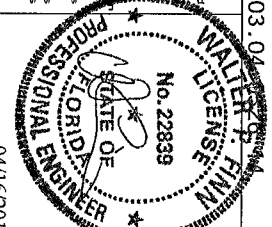
12.03.04

QTY: 6 FL/-/5/-/R/-

Scale = .5"/Ft.



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety Information) for all details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable.
ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing, or any other practice. Each face of truss and position as shown above and on the joint. Details, unless noted otherwise, shall be as shown. Responsibility for any deviation from this drawing or cover page listing this design shall be the responsibility of the professional engineer. The responsibility of the building designer per ANSI/TPI 1 Sec 2 For more information see This job's general notes page ITW-BCG www.itwbcg.com TPI www.tpinet.org WTC www.stcindustry.com IBC www.loblawe.org



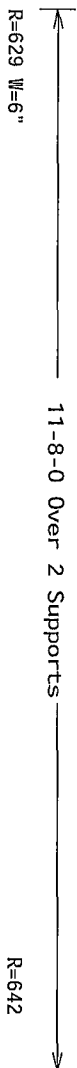
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TC DL	10.0 PSF	DATE 04/16/14
BC DL	5.0 PSF	DRW HCUSR9114 14106006
BC LL	0.0 PSF	HC-ENG JB/WMP
TOT. LD.	55.0 PSF	SEQN- 76389
DUR. FAC.	1.00	
SPACING	24.0"	JREF- 1V5L487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(Door Truss)

+ 2x6 continuous strongback See detail STRBR|BR0211 for bracing and bridging recommendations.

(J) Hanger Support Required, by others

Deflection meets $L/360$ live and $L/360$ total load Creep increase factor for dead load is 1.50



Design Crit: FBC2010Com/TP1-2007(STD)

$$FT/RT=12\%(0\%)/0(0)$$

QTY:3 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

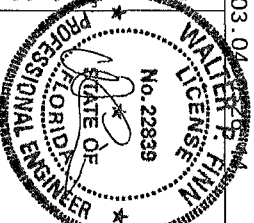
**** IMPORTANT ****

WACKING K&W AND FOLLOW ALL MOES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

These require care in fair, cutting, handling, shipping, installing, and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information by TPI and WTCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation & erecting of trusses. Apply plates to each face of truss and position as shown above and on the joint.

Details unless noted otherwise. Refer to drawings 360A-2 for standard plate pos. tics. A seal on this drawing or cover page listing the drawing number and the name of the professional engineering firm is required for the design engineer to be responsible for the design. The availability and use of this design for any other structure is the responsibility of the Building Designer. For more information see per AISI/761 p.1 Sec 2. This job is the property of the Building Designer. TP1 www.primet.org WPCA www.sbcindustry.com
general notes page 176-300 www.tdbw.com
www.leadcore.org



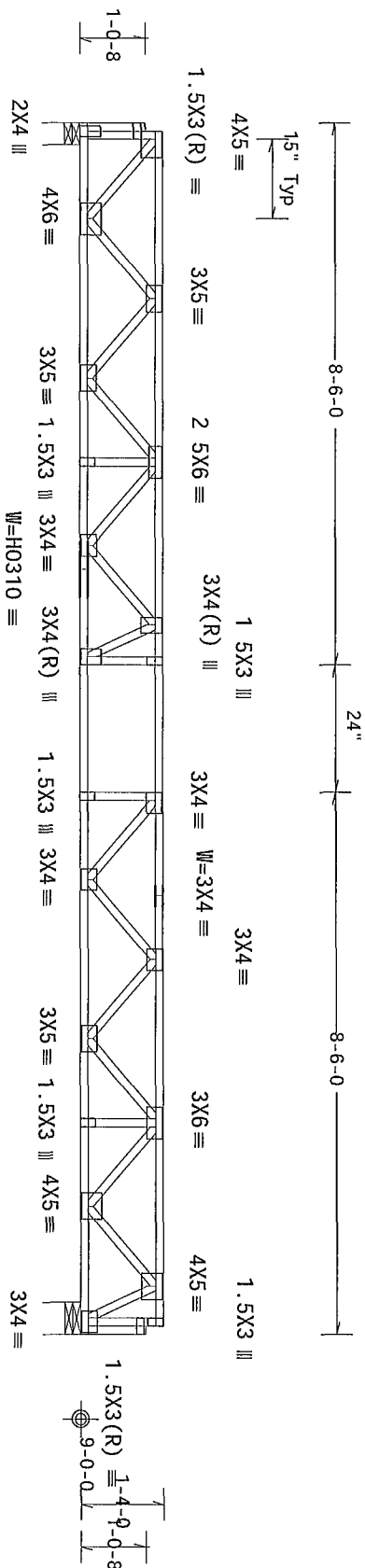
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TC DL	10.0 PSF	DATE	04/16/14
BC DL	5.0 PSF	DRW	HOURS9114 14106008
BC LL	0.0 PSF	HC-ENG	JB/WMPF
TOT.LD.	55.0 PSF	SEQN-	76388
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1V5L487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER TRUSS)

See detail | STRBR1BR0211 for bracing and bridging recommendations
Max JT VERT DEFL. LL 0 31" DL 0 23" See detail | DEFLCAMB0813 for camber recommendations

Deflection meets $L/360$ live and $L/360$ total load Creep increase factor for dead load is 1.50

Truss must be installed as shown with top chord up



R=1032 W=4" (4" min)

R=1032 W=6" (6" min)

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Com/TP1-2007(STD)
FT/RT=12%(0%)/0(0)

12.03.04

QTY:14 FL/-/5/-/-/R/-

Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc.

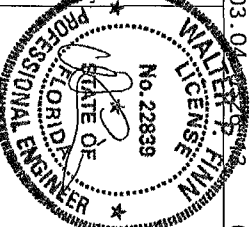
Orlando FL, 32837
FL COA #0278

****IMPORTANT**** **WARNING** **READ AND FOLLOW ALL NOTES ON THIS SHEET**
BEFORE THIS DESIGN FOR ALL CONNECTIONS INCLUDING INSTALLERS

Trussess require extreme care in fabricating, handling, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTCA) for safety practice prior to performing these functions. Installers shall provide temporary bracing per BCSI shall have a properly designed TPI shall have a properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITB Building Components Group Inc. (ITB/BCG) shall not be responsible for any deviation from this design and shall not be responsible for any damage to property or injury to persons resulting from the bracing of Trussess. Apply plates to each corner of trusses and position shoring on the joints. Design or cover plate illustrating this drawing. Indicate acceptance of professional and meeting responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. per ANSI/TPI 1 Sec 2. For more information see this job's general notes page. ITB/BCG www.itbwcg.com TPI www.tpi.net WTCA www.sbc-industry.com

ICC www.iccinfo.org



04/16/2014

TC LL	40.0 PSF	REF	R9114- 94487
TC DL	10.0 PSF	DATE	04/16/14
BC DL	5.0 PSF	DRW	H08R9114 14106009
BC LL	0.0 PSF	HC-ENG	SSB/WJHK
TOT. LD.	55.0 PSF	SEQN-	22776
DUR. FAC.	1.00		
SPACING	24.0"	JREF-	1V5L487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER
Flat Girder)

W4, W14 2x4 SP #2-13B

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Girder supports 18-11-0 span to TC/BC split one face and 2-0-0 span framing to the TC/BC split opposite face

3 COMPLETE TRUSSES REQUIRED

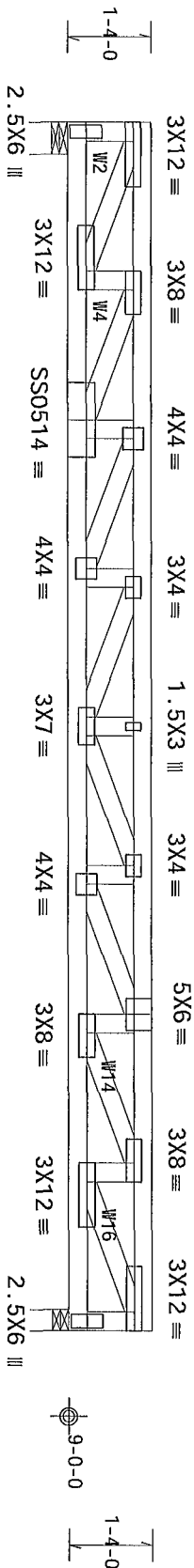
Nail Schedule 0 131"x3", min nails

Top Chord	1 Row	@ 3 /5"	o c
Bot Chord	1 Row	@ 12 00"	o c

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Truss must be installed as shown with top chord up

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing



R=5417 W=6"

18-10-0 Over 2 Supports

R=5417 W=4"

PLT TYP. 18 Gauge HS, Wave

Design Crit: FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04 09:20:44

QTY:1 FL/-/5/-/-/R/-

Scale = .375"/Ft.

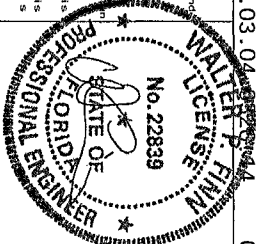
ALPINE

ITV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

These procedures shall ensure proper handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety Institute) by TPI and AISC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

[illegible]

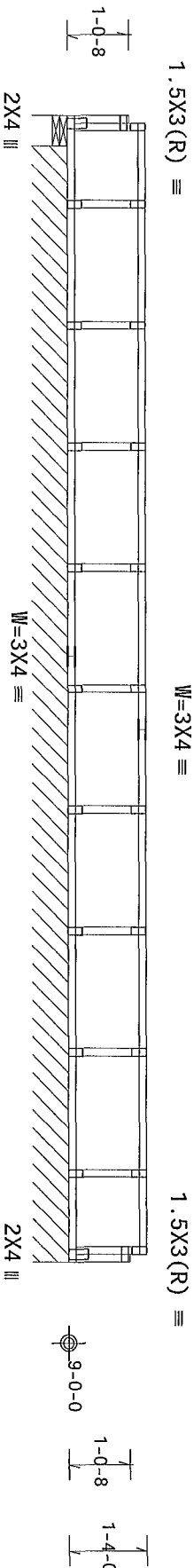
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TC DL	10.0 PSF	DATE	04/16/14
BC DL	5.0 PSF	DRW	HCUSR9114 14106002
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT.LD.	55.0 PSF	SEQN-	76448
DUR.FAC.	1.00		
SPACING	24.0"	JREF-	1V5L487_Z01

Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

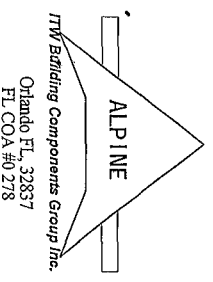
Sheathing is required for any longitudinal (drag) forces All connections to be designed by the building designer
Truss designed for vertical in plane loads only.

THIS Dwg PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TROSS MFR
See detail STBR1BR0211 for bracing and bridging recommendations
Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50
Truss must be installed as shown with top chord up
Fasten rated sheathing to one face of this frame

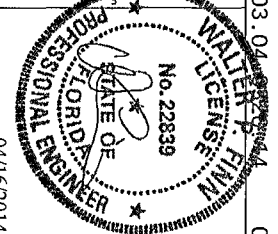


Note: All Plates Are 1.5X3 Except As Shown.
Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=12%(0%)/0(0)

PLT TYP. Wave



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
****WARNING**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ASIS/TPI 1 or for handling, shipping, installation, or bracing of the truss. Refer to drawings 100A-2 for standard plate positions. A seal on this drawing or cover page listing this design indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ASIS/TPI 1 Sec 2. For more information see this job's general notes page ITW-BCS www.itwbcg.com TPI www.tpiinc.org WTC www.stcindustry.com ITC www.localse.org



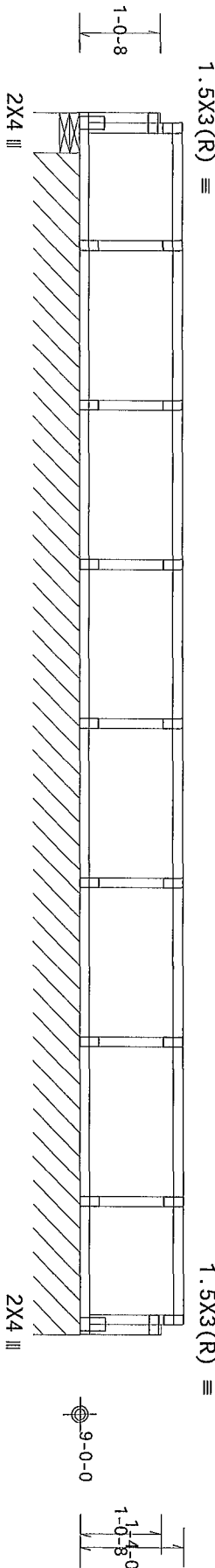
QTY: 1	FL/-/5/-/-/R/-	Scale = .375"/ft.
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TC DL	10.0 PSF	DATE 04/16/14
BC DL	5.0 PSF	DRW HCSR9114 14106013
BC LL	0.0 PSF	HC-ENG JB/MPE
TOT. LD.	55.0 PSF	SEQN- 30808
DUR. FAC.	1.00	
SPACING	24.0"	JREF- 1V51.487_Z01

Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

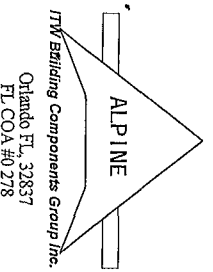
Sheathing is required for any longitudinal(drag) forces All connections to be designed by the building designer

See detail STRBR1BR0211 for bracing and bridging recommendations
Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50
Truss must be installed as shown with top chord up
Fasten rated sheathing to one face of this frame

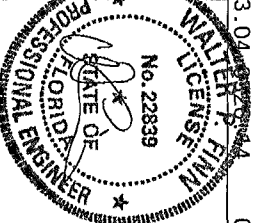


Note: All Plates Are 1.5X3 Except As Shown.
PLT TYP. Wave
Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=12%(0%)/0(0)

12.03.04 12.03.04 QTY: 1 FL/-/5/-/-/R/- Scale = .5"/Ft.



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety Information) by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or use of the truss. Refer to drawing 1604-2 for details of the truss and on the truss on this drawing or cover page listing the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see this job's general notes page ITW-BCG www.itwbcg.com TPI www.tpinet.org WTC www.stcindustry.com
ITC www.cedaire.org



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TC DL	10.0 PSF	DATE	04/16/14
BC DL	5.0 PSF	DRW	HCSR9114 14106001
BC LL	0.0 PSF	HC-ENG	JB/DF
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DUR. FAC.	1.00		
SPACING	24.0"	JREF-	1V51487_Z01

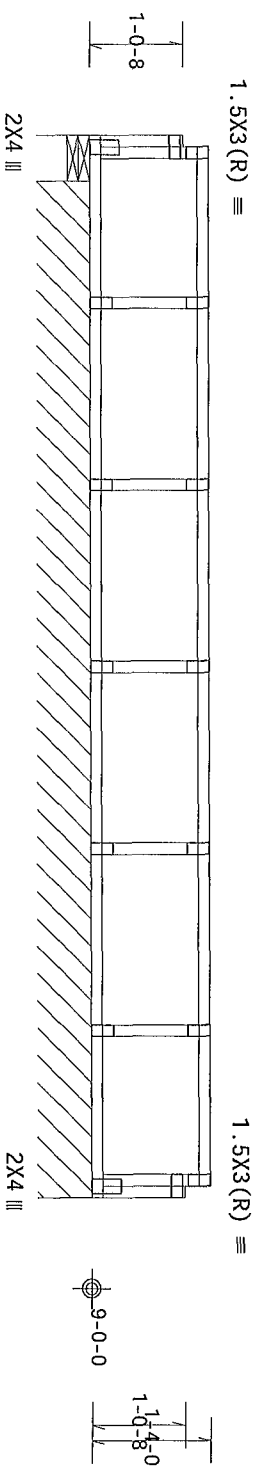
04/16/2014

Top chord 4x2 SP #1-13B
 Bot chord 4x2 SP #1-13B
 Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Sheathing is required for any longitudinal (drag) forces All connections to be designed by the building designer

See detail STBR1BR0211 for bracing and bridging recommendations
 Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50.
 Truss must be installed as shown with top chord up
 Fasten rated sheathing to one face of this frame



11-8-0 Over 2 Supports

R=81 W=6" (6" min)
 R=105 PLF W=11-2-0

Note: All Plates Are 1 5X3 Except As Shown.

PLT TYP. Wave Design Crit: FBC2010Com/TPI-2007(STD) FT/RT=12%(0%)/0(0)

ALPINE

Trussing Components Group Inc.
 Orlando FL, 32837
 FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET

****WARNING**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing indicated per BCSI sections BS 87 or B10 as applicable.

TPI Building Components Group Inc. (TIBCOG) shall not be responsible for any deviation from this design or failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, or bracing of the truss. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing the design engineer's professional seal and engineering firm is required. The responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see this Job's general notes page TIBCOG www.tibcog.com TPI www.tpinet.org WTCA www.structure.com

QTY: 1		FL/-/5/-/-/R/-		Scale = .5"/Ft.	
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TC DL	10.0 PSF	DATE	04/16/14		
BC DL	5.0 PSF	DRW	HCSR9114 14106010		
BC LL	0.0 PSF	HC-ENG	SSB/MMH		
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DUR. FAC.	1.00				
SPACING	24.0"	JREF-	1V51487_Z01		

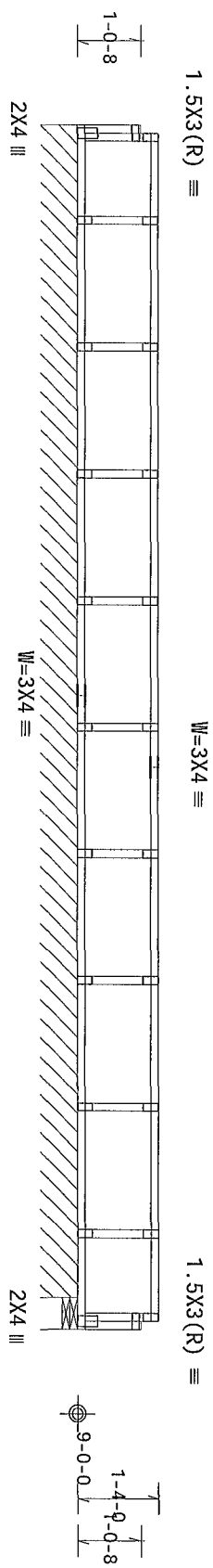
(13-288F4--OWNER BUILDER /Becker Res Floor -- 337 sw rose creek drive Lake City, - FG3 19' Gable)

Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Sheathing is required for any longitudinal (drag) forces All connections to be designed by the building designer

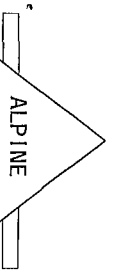
THIS DMC PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TROSS MFR
See detail STRBRIBR0211 for bracing and bridging recommendations
Deflection meets L/360 live and L/360 total load Creep increase factor for dead load is 1.50
Truss must be installed as shown with top chord up
Fasten rated sheathing to one face of this frame



R=108 PLF W=18-6-0
19-0-0 Over 2 Supports
R=60 W=6" (6" min)

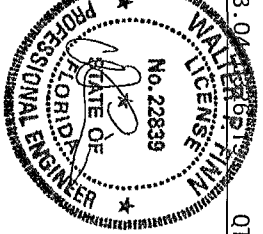
Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP Wave Design C-1-T: FBG2010Com/TPI-2007(STD) FT/RT=12%(0%)/0(0)



ITW Building Components Group Inc.
Orlando FL 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation or bracing of the truss. Refer to drawings 1604-2 for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see this job's general notes page ITW-BCG www.tlwbog.com TPI www.tpinet.org WTCA www.structure.com
ITC www.localize.org



QTY: 1	FL/-/5/-/-/R/-	Scale = .375"/Ft.
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TC DL	10.0 PSF	DATE 04/16/14
BC DL	5.0 PSF	DRW HCUR8114 14106003
BC LL	0.0 PSF	HC-ENG SSB/WHK
TOT. LD.	55.0 PSF	SEQN- 22797
DUR. FAC.	1.00	
SPACING	24.0"	JREF- 1V5L487_Z01

(13-288F4--OWNER BUILDER /Becker Res Floor -- 337 sw rose creek drive Lake City, - FG4 10' Gable)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

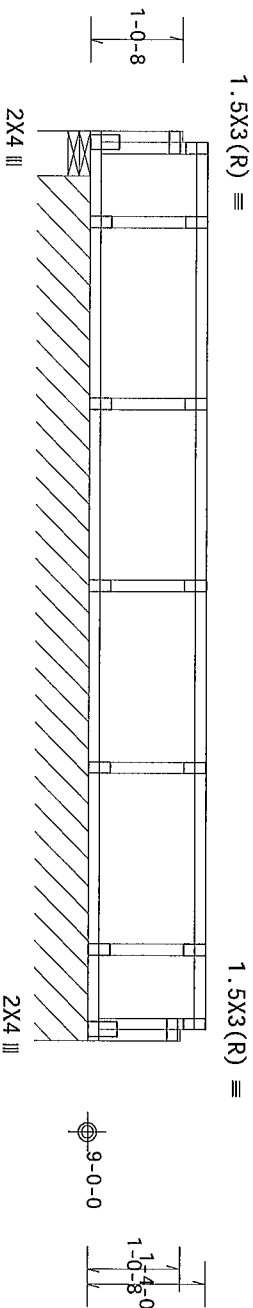
Top chord 4x2 SP #1-13B
Bot chord 4x2 SP #1-13B
Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Fasten rated sheathing to one face of this frame

Deflection meets L/360 live and L/360 total load Creep increase
factor for dead load is 1.50

Truss must be installed as shown with top chord up
Sheathing is required for any longitudinal (drag) forces All
connections to be designed by the building designer



R=21 W=6" (6" min)
R=111 PLF W=9-6-0

Note: All Plates Are 1 5X3 Except As Shown.

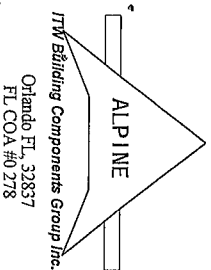
PLT TYP. Wave

Design Crit: FBG2010Com/TPI-2007(STD)
FT/RT=12%(0%)/0(0)

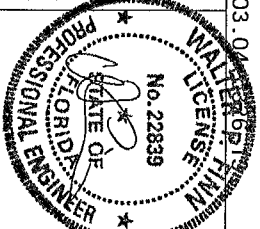
12.03.00

QTY: 1 FL/-/5/-/-/R/-

Scale = .5"/Ft.



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
The Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing or bracing the truss. Refer to drawings 160A-2 for standard plates and on the joint on this drawing or cover page. List of this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see this job's general notes page. ITWBCG www.itwbcg.com TPI www.tpinet.org WTCA www.stcindustry.com



TC LL	40.0 PSF	REF	R9114- 94493
TC DL	10.0 PSF	DATE	04/16/14
BC DL	5.0 PSF	DRW	HCUSR9114 14106007
BC LL	0.0 PSF	HC-ENG	SSB/WHK
TOT. LD.	55.0 PSF	SEQN-	22792
DUR. FAC.	1.00		
SPACING	24.0"	JREF -	1V5L487_Z01

Top chord 4x2 SP 2850F-2 3E
Bot chord 4x2 SP 2850F-2 3E
Webs 4x2 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Special loads

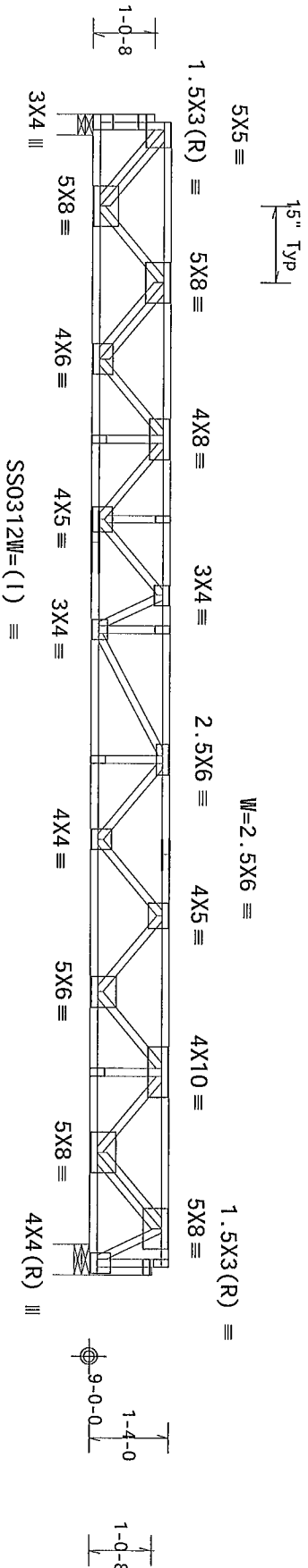
-----Lumber Dur Fac =1 00 / Plate Dur Fac =1 00)
TC- From 50 pif at 0 13 to 50 pif at 16 52
TC- From 100 pif at 16 52 to 100 pif at 18 88
BC- From 5 pif at 0 00 to 5 pif at 16 52
BC- From 10 pif at 16 52 to 10 pif at 19 00
TC- 843 49 lb Conc Load at 0 65, 2 65, 4 65, 6 65
8 65, 10 52
TC- 641 88 lb Conc Load at 12 52, 14 52, 16 52

Truss must be installed as shown with top chord up

2 COMPLETE TRUSSES REQUIRED

See DWG CNSY42PL0913 or LSCSYX2A0913 for connection details of 2 ply trusses

See detail STRBR1BR0211 for bracing and bridging recommendations
(1) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance
Max JT VERT DEFL LL 0 46" DL 0 26" See detail DEFLCMB0813 for camber recommendations



R=4554 W=4"
R=3595 W=6"

Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP. 18 Gauge HS, Wave

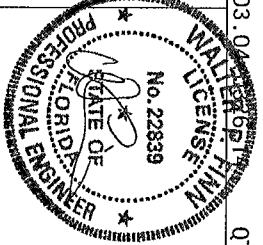
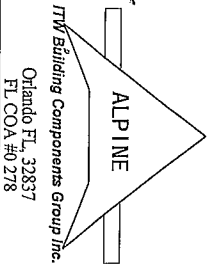
Design Cr-t: FBG2010Com/TPI-2007(STD)
FT/RI=12% (0%)/0(0)

Scale = .375"/Ft.

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

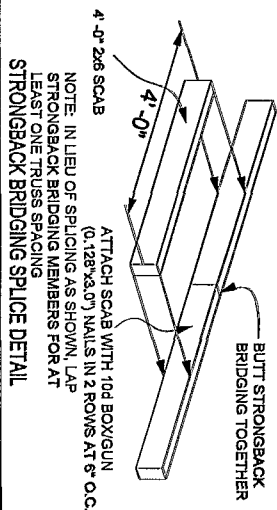
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety) Information on by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

TPI Building Components Group Inc. (TIBCO) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installation or bracing. Its liability is limited to the design shown. Refer to drawings 160A-2 for standard plate positioning on this drawing or cover page. List of design shown indicates acceptance of professional engineering responsibility solely for the building designer per ANSI/TPI 1 Sec 2. For more information see this job's general notes page TIBCO www.tibco.com TPI www.tpi.net WTCA www.stcindustry.com



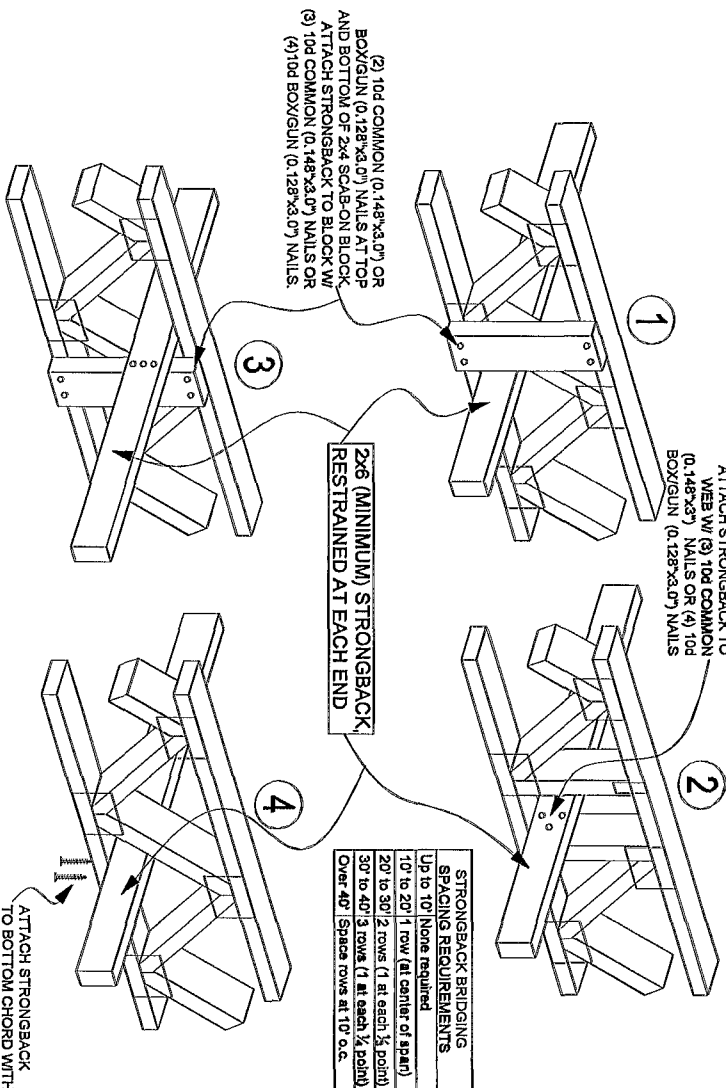
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TC LL	40.0 PSF	REF R9114- 94494
TC DL	10.0 PSF	DATE 04/16/14
BC DL	5.0 PSF	DRW HCUSR9114 14106006
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT. LD.	55.0 PSF	SEQN- 76462
DUR. FAC.	1.00	
SPACING	24.0"	JREF - 1V5L487_201

STRONGBACK BRIDGING RECOMMENDATIONS



STRONGBACK BRIDGING SPLICE DETAIL

NOTE: Details 1 and 2 are the preferred attachment methods



STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES



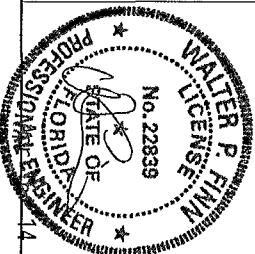
Building Components Group Inc.

Earth City MO 63045

WARNING READ AND FOLLOW ALL INSTRUCTIONS ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow DCS Building Component Safety Information, by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per DCS. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Location shown for permanent lateral restraint of webs shall have bracing installed per DCS sections 60 & 61. See this job's general notes page for more information.

IMPORTANT PHYSICAL COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. The Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in accordance with TPI or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 3018/100A (11/16" x 1/2" x 1/2") A570 A550 grade 57/40/50 (K/7/15) galv. steel. Apply plates to each face of truss. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ASCE 7-10 Sec. 2.

ITW-BCG: www.itwbcg.com, TPI: www.tpiinc.com, WTC: www.wtcstructural.com, ICC: www.iccborg.org



- ▶ All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
- ▶ All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
- ▶ The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10'-0" o.c. (max.)

The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by ITW Building Components Group Inc.

For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).

TC LL	PSF	REF	STRONGBACK
TC DL	PSF	DATE	2/28/11
BC DL	PSF	DRWG	STRBIBR0211
BC LL	PSF		
TOT LD	PSF		
DUR FAC	1.00		
SPACING			

Commentary Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied
- Facilitates drainage to avoid ponding on flat or low slope roofs
- Compensates for different deflection characteristics between adjacent trusses
- Improves appearance of garage door headers and other long spans that can appear to "sag"
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits	
		Live Load	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)
<hr/>			
Truss Type	Recommended Camber		
Pitched Trusses	1/100 x Deflection from Actual Dead Load		
Sloping Parallel Chord Trusses	1/5 x Vertical Deflection from Actual Dead Load		
Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load		
Flat Roof Trusses	(0.25 x Deflection from Live Load) + (1/5 x Design Dead Load Deflection)		

Note: The actual dead load may be considerably less than the design dead load.

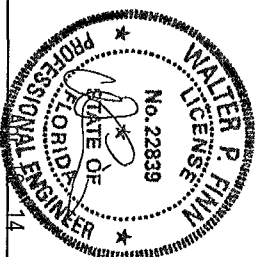


Building Components Group Inc.

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING. **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information by TPI and BCSA for safety practices and procedures. Trusses are designed and manufactured in accordance with the BCSI standards. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 33, 37 or B10, as applicable. Apply plates to the webs of trusses positioned as shown above and on the Joint Details unless noted otherwise. Refer to drawings 1000-2 for standard plate positions.

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installation and bracing of trusses. The Building Designer shall be responsible for the design, bracing and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: <http://www.itvbcg.com>, <http://www.bcsa.org>, <http://www.structure.org>, <http://www.icd.com>, <http://www.ccsa.org>

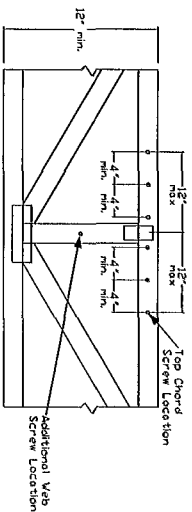


REF	DEFLEC/CAMB
DATE	8/2/13
DRWG	DEFLCMB0813

System 42 Ply to Ply Connection Detail

Using Simpson SDS25500 or SDW22634 Strong Drive Screws or Equal

Max Concentrated Load per Chart Below



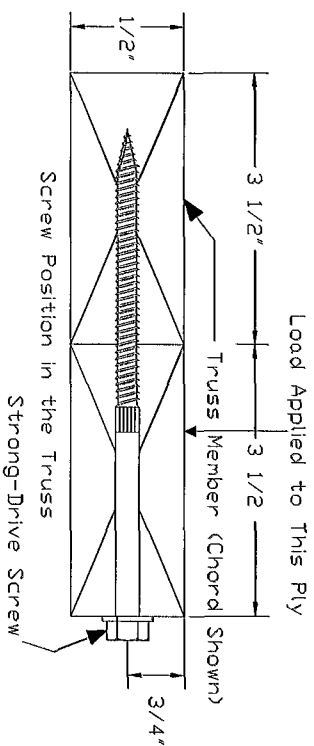
Apply screws to top chord within 12" of the concentrated load location @ 4" o.c. min evenly distributing them to each side of the concentrated load. A maximum of 6 screws may be applied to the top chord for each concentrated load.

For double top chords, evenly distribute the screws over both top chords, using some spacing guidelines specified above. The max number of top chord screws is 6 per chord member for a total maximum of 12 screws.

If the concentrated load connection requires more screws than 6 per top chord member and the load is located at a panel point where webs intersect the top chord, the remainder of required screws may be applied to those webs below the concentrated load location evenly spaced @ 4" o.c. min, keeping the 3" min end distances. Each additional screw is worth 560 lb for DFL or SP webs and 400 lb for SPF webs.

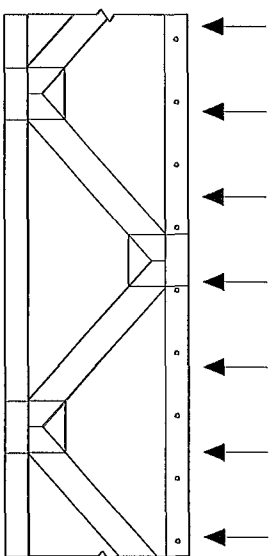
# of Screws	Maximum Concentrated Load (lbs) (100 DFL)	SPF
1	560	400
2	1120	800
3	1680	1200
4	2240	1600
5	2800	2000
6	3360	2400
7	3920	2800
8	4480	3200
9	5040	3600
10	5600	4000
11	6160	4400
12	6720	4800

Refer to ITWBCG sealed drawing for individual truss design



- General Notes**
- Screws centered along the 15" dimension of the 4x2 member
 - Minimum end distance of 3"
 - Screws installed with head in loaded member
 - Gap between plies not to exceed 1/8"
 - Screw location may be adjusted up to 1" to avoid conflict with other hardware or to avoid lumber defects
 - Do not install screws in areas where lumber wane exceeds 1/4"
 - Equal loads from both faces or loads that are evenly distributed to each ply do not require connections per this detail
 - For 3x2 members use Simpson's SDS25412 or SDW22500 screws or equal
 - Contact ITWBCG for special connections not covered by this detail

Max Uniform Load per Chart Below



For single top chord, see chart below for screw spacing. For double top chord the screw spacing may be doubled but may not exceed 24" o.c. per chord. Screw spacing shall be offset by 1/2" the o.c. spacing in each chord.

Screws need only apply to the extents of that load. For chord sections supporting less than 100 plf apply one screw at each top chord joint location.

Top Chord Screw o.c. Spacing (inch)	Maximum Uniform Load (plf) DFL&SP	SPF
4	1680	1200
6	1120	800
8	840	600
10	672	480
12	560	400
14	480	342
16	420	300
18	373	266
20	336	240
22	305	218
24	280	200

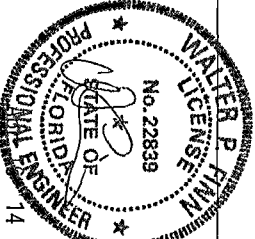


Building Components Group Inc.

Earth City, MO 63046

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING.

ITW Building Components Group Inc. shall not be responsible for any deviation from the stated use of the truss in this drawing or for any deviation from the stated use of the truss in this drawing or for any deviation from the stated use of the truss in this drawing.

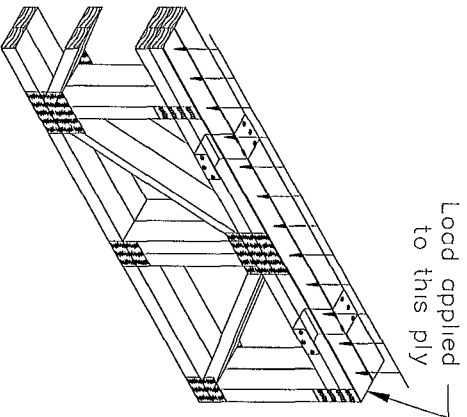


04/16/2014

TC LL	PSF	REF	SY42 Connection
TC DL	PSF	DATE	10/11/13
BC DL	PSF	DRWG	CNSY42PL0913
BC LL	PSF		
TOT LD	PSF		
DUR FAC	100		
SPACING			

SY32/SY42 PLY TO PLY LSC CONNECTION DETAIL FOR DOWNWARD LOADS ONLY

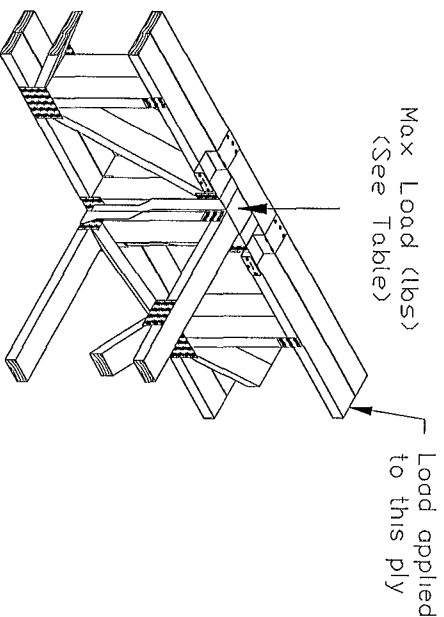
Uniform Load Application



Max TC Uniform Load (plf)			Clip Spacing Along Top Chord	
SP	DF	SPF/HF		
935	810	585	12" o c	
625	540	390	18" o c	
470	405	295	24" o c	
375	325	235	30" o c	

Maximum LSC spacing is 30" o c

Concentrated Load Application

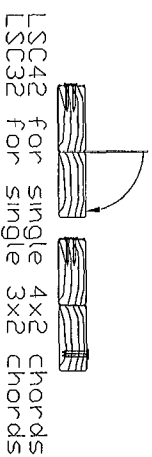


Max Load (lbs)		
SP	DF	SPF/HF
1870	1620	1170

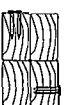
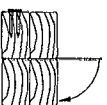
Note
Install LSC adjacent, equidistant, and not more than 6" on each side of concentrated load

Installation Instructions

- 1 Position and attach LSC to loaded ply with (3) 0131"x15" nails into narrow face
- 2 Bend clip over adjacent ply and attach with (3) 0131"x15" nails into wide face



LSC42 for single 4x2 chords
LSC32 for single 3x2 chords



LSC42-2 for stacked 4x2 chords
LSC32-2 for stacked 3x2 chords

Refer to ITW Building Components Group Inc sealed drawing for individual truss design



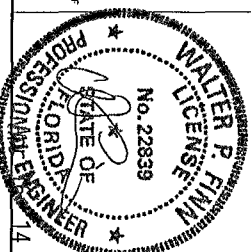
Building Components Group Inc.

Earth City MO 63045

***WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCST (Building Component Safety Information, by TPI and SCA) for safety information. Trusses shall be installed in accordance with the BCST. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCST sections 83, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1506-2 for standard plate positions.

ITW Building Components Group Inc shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation & bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of this drawing by ITW Building Components Group Inc. The responsibility for the design of this structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 4. For more information see this job's general notes page and these web sites: www.itwbcg.com TPI: www.tpi.org SCA: www.scaindustry.org ICC: www.iccsafe.org

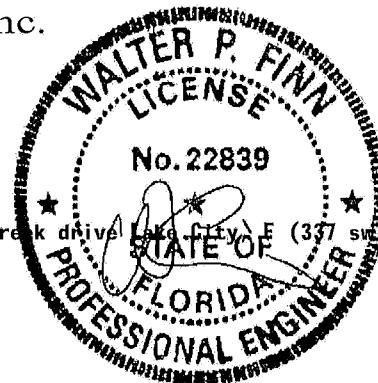


REF SY42 Connection	
DATE 9/20/13	
DRWG LSCSYX2A0913	
DUR FAC	ALL

04/16/2014

ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID 1V6C487-Z0113155950



05/13/2014

Truss Fabricator **Anderson Truss Company**
Job Identification **13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Haines City, FL (337 sw rose**
Truss Count **50**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Com/TPI-2007(STD)**
Engineering Software **Alpine Software, Versions 13.02, 12.03, 14.02.**
Structural Engineer of Record **The identity of the structural EOR did not exist as of**
Address **the seal date per section 61G15-31.003(5a) of the FAC**
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -Closed

Notes

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

Walter P Finn
-Truss Design Engineer-

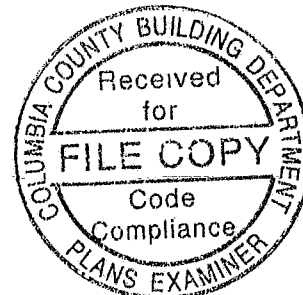
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-12015EC1-GBLLETIN-GABRST10-PB16010

#	Ref	Description	Drawing#	Date	#	Ref	Description	Drawing#	Date
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2	17793--A2	20' Common	14133039	05/13/14	38	17829-H7	28' Stepdow	14133032	05/13/14
3	17794--ADGE	20' Gable	14133018	05/13/14	39	17830-H9	28' Stepdow	14133013	05/13/14
4	17795--B1	19'4" Common	14133019	05/13/14	40	17831-HJ7	9'1"6 Hip Ja	14133036	05/13/14
5	17796--B2	19'4" Common	14133035	05/13/14	41	17832-HJ7A	9'4"6 Hip J	14133045	05/13/14
6	17797-BDGE	19'4" Gable	14133002	05/13/14	42	17833-MH7	28' Mono Hip	14133044	05/13/14
7	17798--C1	19' Common	14133048	05/13/14	43	17834-MH9	28' Mono Hip	14133005	05/13/14
8	17799--C2	19' Common	14133037	05/13/14	44	17835-PBD	5'7"8 Common	14133025	05/13/14
9	17800-C3	19' Common Gi	14133020	05/13/14	45	17836-PBD1	2'8"3 Commo	14133029	05/13/14
10	17801--CDGE	10' Gable	14133006	05/13/14	46	17837-PBDG	5'7"8 Gable	14133004	05/13/14
11	17802--CDGE1	19' Gable	14133011	05/13/14	47	17838-PBE	5'2"11 Stepd	14133047	05/13/14
12	17803--CJ1	8'10 Jack	14133026	05/13/14	48	17839-PBE1	5'2"11 Comm	14133008	05/13/14
13	17804--CJ1A	1'1"9 Jack	14133017	05/13/14	49	17840-PBG	3'8"10 Commo	14133016	05/13/14
14	17805--CJ1B	8'10 Jack	14133043	05/13/14	50	17841-PBG1	3'8"10 Comm	14133038	05/13/14
15	17806--CJ3	2'5"15 Jack	14133022	05/13/14					
16	17807--CJ3A	3'4"9 Jack	14133015	05/13/14					
17	17808-CJ3B	2'5"15 Jack	14133042	05/13/14					
18	17809--CJ5	4'3"4 Jack	14133021	05/13/14					
19	17810--CJ5A	5'7"9 Jack	14133014	05/13/14					
20	17811--CJ5B	4'3"4 Jack	14133040	05/13/14					
21	17812-D	31'8" Stepdow	14133031	05/13/14					
22	17813-D1	20'4" Stepdow	14133028	05/13/14					
23	17814-DDGE	31'8" Gable	14133001	05/13/14					
24	17815-E	28' Stepdow H	14133046	05/13/14					
25	17816-E1	28' Stepdow	14133012	05/13/14					
26	17817-E2	28' Stepdow	14133023	05/13/14					
27	17818-E3	28' Stepdow	14133034	05/13/14					
28	17819-E4	28' Stepdow	14133030	05/13/14					
29	17820-E5	28' Stepdow	14133033	05/13/14					
30	17821-E6	28' Stepdow	14133010	05/13/14					
31	17822--E7	7' End Jack	14133027	05/13/14					
32	17823-G	29'8" Stepdow	14133001	05/13/14					
33	17824-GDGE	29'8" Stepd	14133002	05/13/14					
34	17825-H11	28' Stepdow	14133009	05/13/14					
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36	17827-H13	28' Stepdow	14133003	05/13/14					

#31678

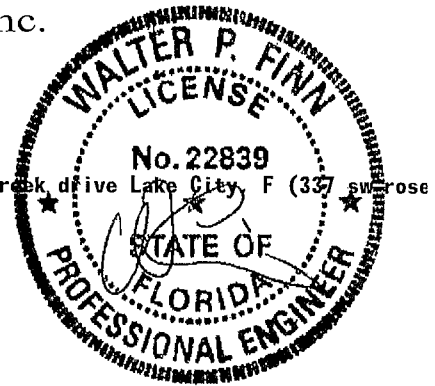
Revision



ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Page 1 of 1 Document ID 1V6C487-Z0113155950

Truss Fabricator **Anderson Truss Company**
Job Identification **13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City, F (337 sw rose**
Truss Count **1**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Com/TPI-2007(STD)**
Engineering Software **Alpine Software, Versions 13.02, 12.03, 14.02.**
Structural Engineer of Record
Address
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -Closed



Notes

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

05/13/2014

-Truss Design Engineer-
Walter P. Finn

1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	17805--CJ1B	8" 10 Jack	14133043	05/13/14

ALPINE

Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP 2850f-2 3E
Bot chord 2x8 SP SS B2 2x4 SP #1
Webs 2x4 SP #3

Lumber value set 13B' uses design values approved 1/30/2013 by ALSC

Calculated horizontal deflection is 0.21" due to live load and 0.37" due to dead load

BC attic room floor loading LL = 40.00 psf, DL = 10.00 psf, from 5'-0" to 15'-0"

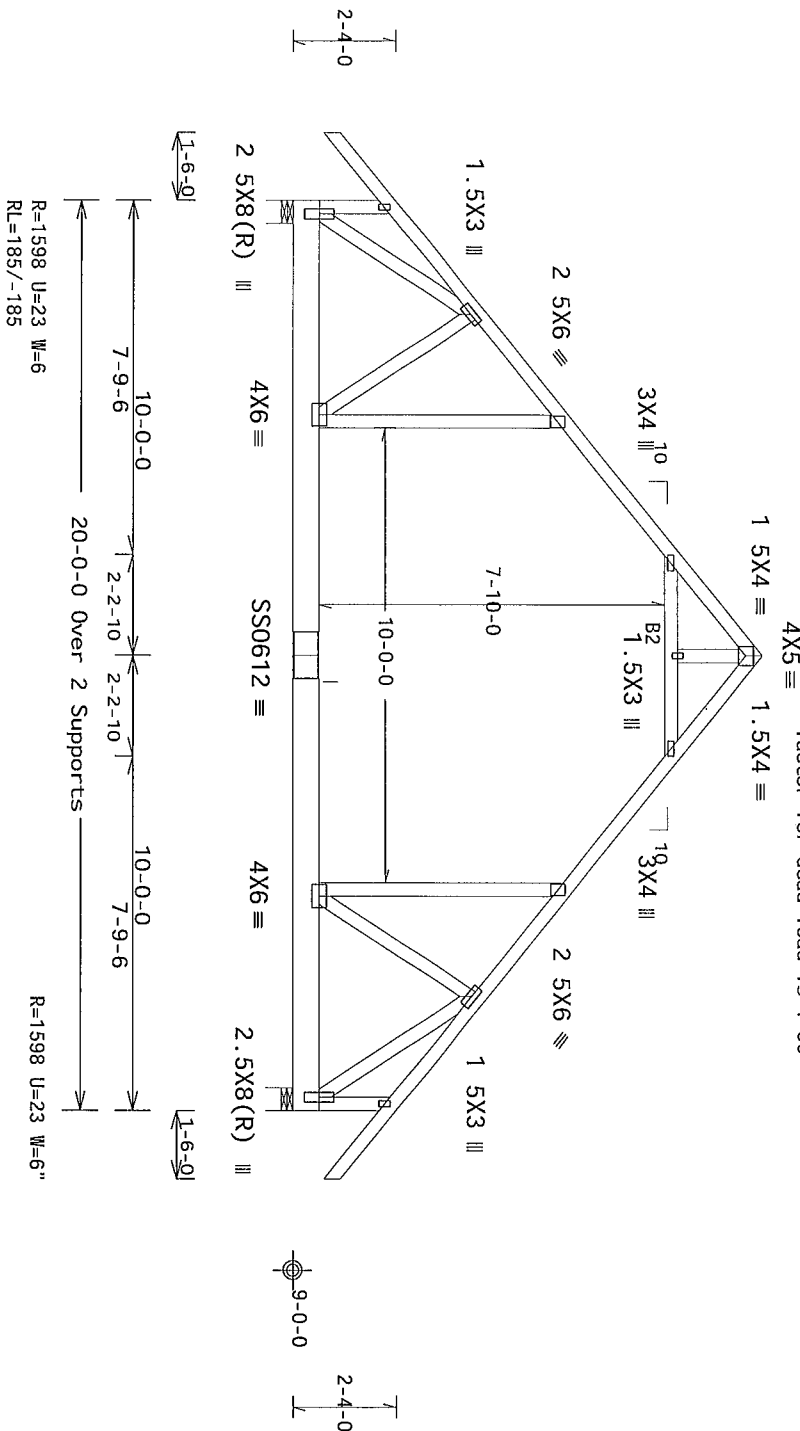
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design

End verticals not exposed to wind pressure

Collar-tie braced with continuous lateral bracing at 24' OC or rigid ceiling

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



PLT TYP 18 Gauge HS, Wave

Design Crit. FBC2010Com/TP1-2007 (STD)
FT/RT=10%(0%/0(0))

13 02 07 2014

QTY:5 FL/-5/-/-/R/-

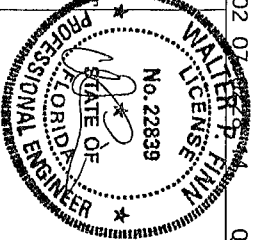
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ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, shipping, handling, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDA for safety and bracing details. Trusses shall be installed in accordance with the bracing details shown on this drawing. Unless noted otherwise, all bracing shall be installed in accordance with the bracing details shown on this drawing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joist Detail. Unless noted otherwise, refer to drawing 1804-2 for standard plate positions. A seal on this drawing or cover page, setting this drawing and carries the responsibility of professional engineering and the responsibility of the Building Design Group per ANSI/TPI 1, Sec 2. For more information on seal the responsibility of the Building Design Group per ANSI/TPI 1, Sec 2. This job is general notes page ITW BCG www.itwbcg.com TPI www.tpi.net.org WDA www.sbcindustry.com ICC www.iccsafe.org



05/13/2014

TC LL	20.0 PSF	REF	R9114- 17792
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 14133024
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT. LD	37.0 PSF	SEQN-	369575
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

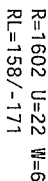
F - A2 20 Common)

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf GCp1 (+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design

Collar-tie braced with continuous lateral bracing at 24" OC or rigid ceiling

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50

$$4 \wedge 4 \equiv 1.5 \times 4 \equiv$$


R=1500 U=13 W=6'

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

QTY 4 FL/-/5/-/-/R/-

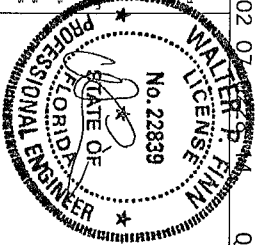
Scale = .25"/Ft.

••IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

22

ITW Buickling Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

05/13/2014

4 FL/-/5/-/-/R/-		Scale = .25"/Ft.
TC LL	20 0 PSF	REF R9114- 17793
TC DL	7 0 PSF	DATE 05/13/14
BC DL	10.0 PSF	DRW HCURS9114 14133039
BC LL	0.0 PSF	HC-ENG JB/MPF
TOT LD	37 0 PSF	SEQN- 369596
DUR. FAC.	1 25	FROM JMW
SPACING	24.0"	JREF- 1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Stack Chord SC1 2x4 SP #1 Stack Chord SC2 2x4 SP #1

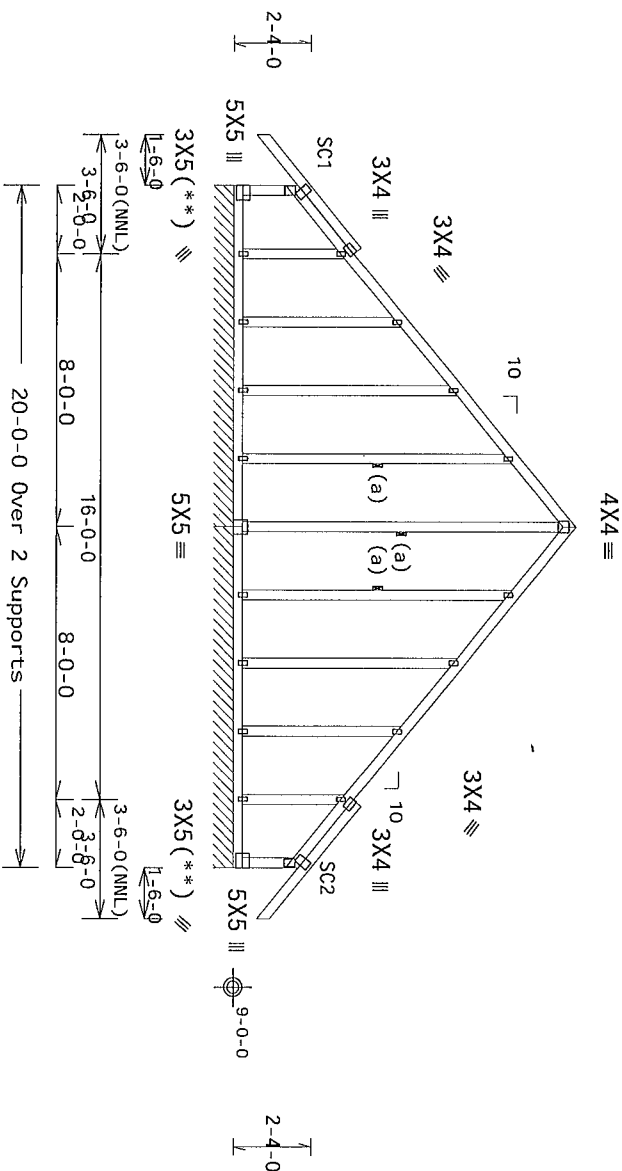
Lumber value set 13B uses design values approved 1/30/2013 by ALSC

End verticals not exposed to wind pressure

Truss spaced at 24 0 0C designed to support 2-0-0 top chord
outlookers Cladding load shall not exceed 10 00 PSF Top chord must
not be cut or notched

Stacked top chord must NOT be notched or cut in area (NNL).
Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" o.c.
Center plate on stacked/dropped chord interface. plate length perpendicular to chord length. Splice top chord in noticable area using 3x6

Fasten rated sheathing to one face of this frame



RL=37/-36 PLF

R=231 PLF U=0 PLF W=10-0-0

R=188 PLF U=39 PLF W=10-0-0-0

Note All Plates Are 1 5X3 Except As Shown

PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

13.02 07

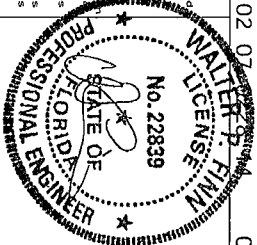
QTY 1 FL/-/5/-/-/R/-

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

TC LL	20 0 PSF	REF	R9114- 17794
TC DL	7 0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	H0USR9114 14133018
BC LL	0.0 PSF	HC-ENG	JB/WMPF
TOT LD.	37.0 PSF	SEQN-	37770
DUR.FAC	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

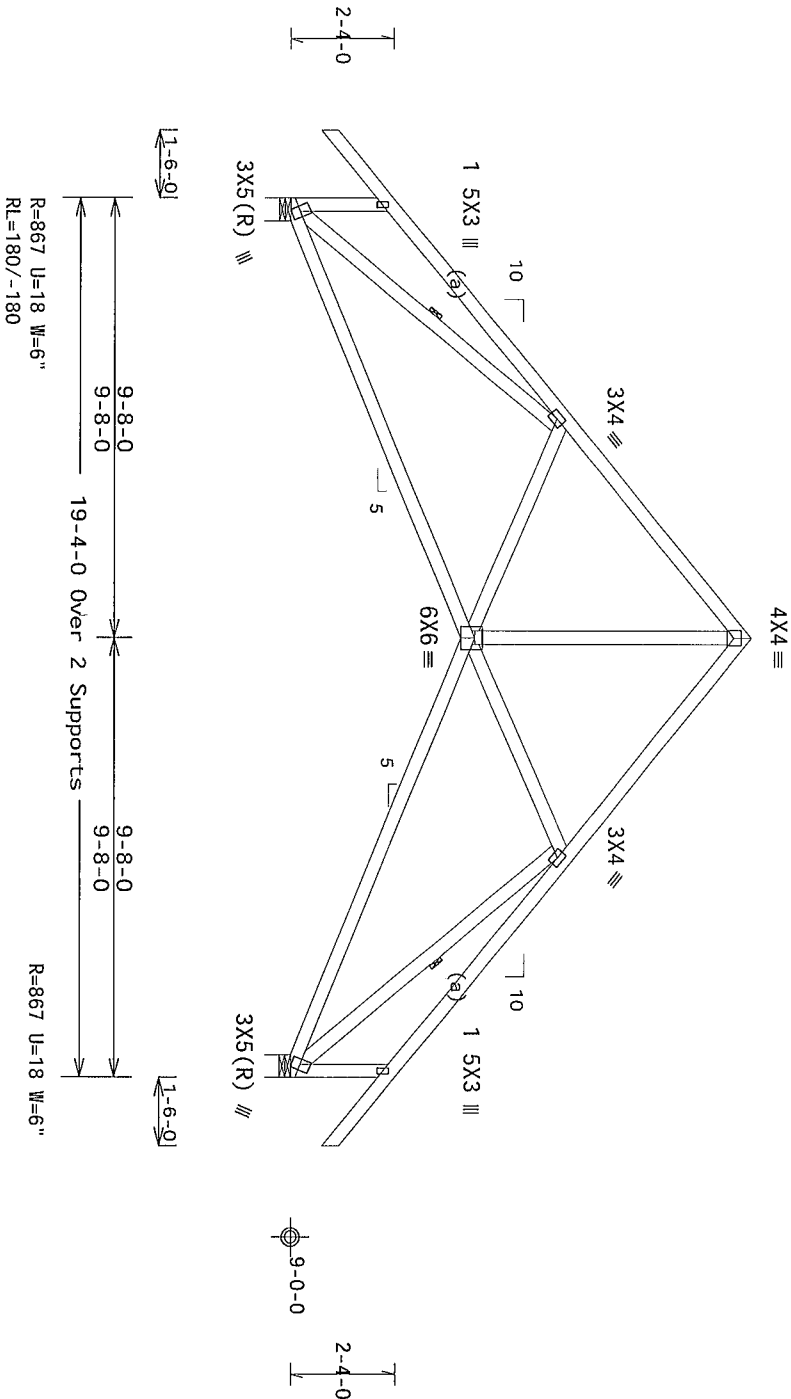
(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City, F - B1 19'4" Common)
Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with '13B" use design values approved
1/30/2013 by ALSC

End verticals not exposed to wind pressure

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC
DL=5.0 psf GCpl(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member
design
(a) Continuous lateral restraint equally spaced on member



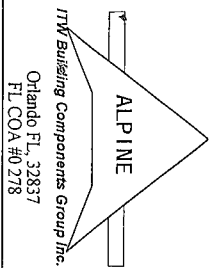
PLT TYP Wave

Design Crit: FBC2010Com/TP1-2007 (STD)
FT/RT=10%(0%/0/0)

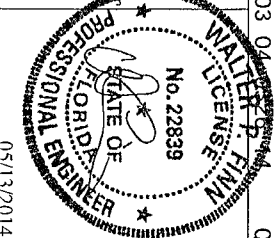
12 03 04

QTY: 5 FL/-/5/-/R/-

Scale = .25" / Ft.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTC. The safety of the building depends on the proper installation of these trusses. Truss installers shall provide temporary bracing per BCSI. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have a properly attached ridge cap. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or failure to build the trusses in conformance with ANSI/TPI-1 or for handling, shipping, installing or bracing of trusses. Apply plates to each face of trusses and posts on as shown above and on the Joist details, unless noted otherwise. Refer to drawings 1804-Z for standard plate positions. A seal on this drawing or cover page listing the drawing and codes acceptance of professional engineering is the responsibility of the Building Designer per ANSI/TPI-1 Sec 2. For more information, this job's general notes page. ITW-BCG www.twbcg.com TPI www.tpi.net WTC www.wtcindustry.com
ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 17795
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 1413019
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT LD.	37.0 PSF	SEQN-	357621
DUR.FAC.	1.25	FROM	JMM
SPACING	24 0"	JREF-	1V6C487_Z01

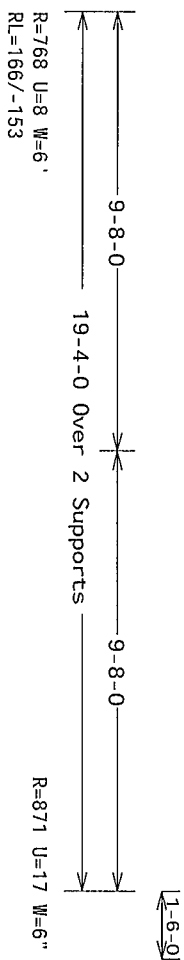
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER)

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpl(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design


(a) Continuous lateral restraint equally spaced on member

MWRS loads based on trusses located at least 7.50 ft from roof edge



Scale = .25"/Ft.

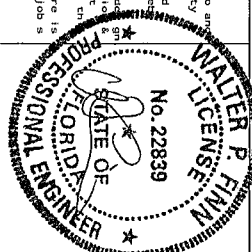
REF R9114- 1779



ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278



05/13/2014

TC LL	20 0 PSF	REF	R9114- 17796
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10 0 PSF	DRW	HCUSR9114 14133035
BC LL	0 0 PSF	HC-ENG	JB/WHK
TOT LD	37 0 PSF	SEQN-	357622
DUR FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(Gable)

(**) 2 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

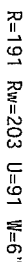
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, Exp B, wind TC DL=3.5 psf, wind BC DL=5.0 psf G_{CPI}(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design

Calculated horizontal deflection is 0.08' due to live load and 0.18' due to dead load

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24 o c Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6

Fasten rated sheathing to one face of this frame

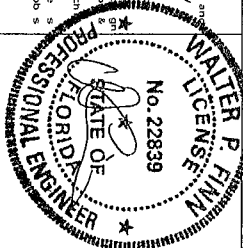


Scale = .25"/Ft.

Tussers require extreme care in fabricating, handling, shipping and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information by TPI and WIDA for safety.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

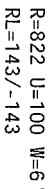
05/13/2014

TC LL	20.0 PSF	REF	R9114-17797
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114.14133002
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT.LD	37.0 PSF	SEQN-	369605
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

Value Set 13B (Effective 6/1/2013)

Lumber value set "13B uses design values approved 1/30/2013 by ALSC

factor for dead load is 1.50



Design Crit	FBC2010Com/TP1-2007 (STD)	FT/RT=10%(0%)/0(0)
Design Crit	FBC2010Com/TP1-2007 (STD)	FT/RT=10%(0%)/0(0)

QTY 1 FL/-/5/-/-/R/-

Scale = 375"/Ft

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

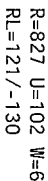
A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom, separated by two stars. The inner circle contains the name "WALTER P. FINN" at the top, "LICENSE" at the bottom, and the license number "No. 22839" in the center. A signature is written across the seal.

TC LL	20 0 PSF	REF	R9114 - 17798
TC DL	7 0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	H05R9114 14133048
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	37556
DUR.FAC.	1 25	FROM	JMMV
SPACING	24.0"	JREF -	1V6C487 Z01

Value Set 13B (Effective 6/1/2013)

Lumber value set 13B uses design values approved 1/30/2013 by ALSC


factor for dead load is 1.50



Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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QTY 1 FL/-/5/-/-/R/-

Scale = .375"/Ft.



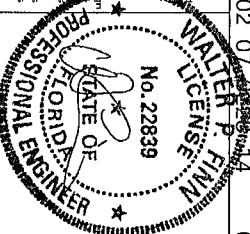
ALPINE

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FOR USE WITH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenuses require erection of a fabricating handling spigot metaling and bracing. Refer to and follow the latest edition of BCS1 (Building Component Safety Information on by TPI and WITCA) for safety practices per or to perform in these functions. Installers shall provide temporary bracing per BCS1 and shall not otherwise top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS1 section 3.3. B7 or B10 as apply cable

1TW Building Components Group, Inc. (1TWBCG) shall not be responsible for any due to on from this design any failure to be in the truss, in conformance with ANSI/TPI 1 or for handling shipping metal on the details unless noted otherwise. Refer to drawing 160A-2 for standard details per 160A-2. Steel on this drawing or cover page is intended to show the drawing and caters acceptance of professional engineering responsibility by solely for the design shown. The submittal and use of this design for any structure is the response by the Building Group per ANSI/TPI 1 Sec 2. For more information on see This job is general notes page 1TW BCG www.1twbco.com TPI www.tpi.net org WITCA www.sbcindustry.org

www.1twbco.com
www.tpi.net org
www.sbcindustry.org



~~05/13/2014~~

FL/-5/-/-/R/-		Scale = .375"/Ft.
TC LL	20 0 PSF	REF R9114- 17799
TC DL	7.0 PSF	DATE 05/13/14
BC DL	10.0 PSF	DRW HCSR9114 1413037
BC LL	0.0 PSF	HC-ENG JB/WMPF
TOT LD	37.0 PSF	SEQN- 37520
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V6C487_Z01

Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP #1
Bot chord 2x6 SP SS
Webs 2x4 SP #3
Lt Wedge 2x4 SP #3
Rt Wedge 2x4 SP #3

Lumber value set 13B" uses design values approved 1/30/2013 by ALSC

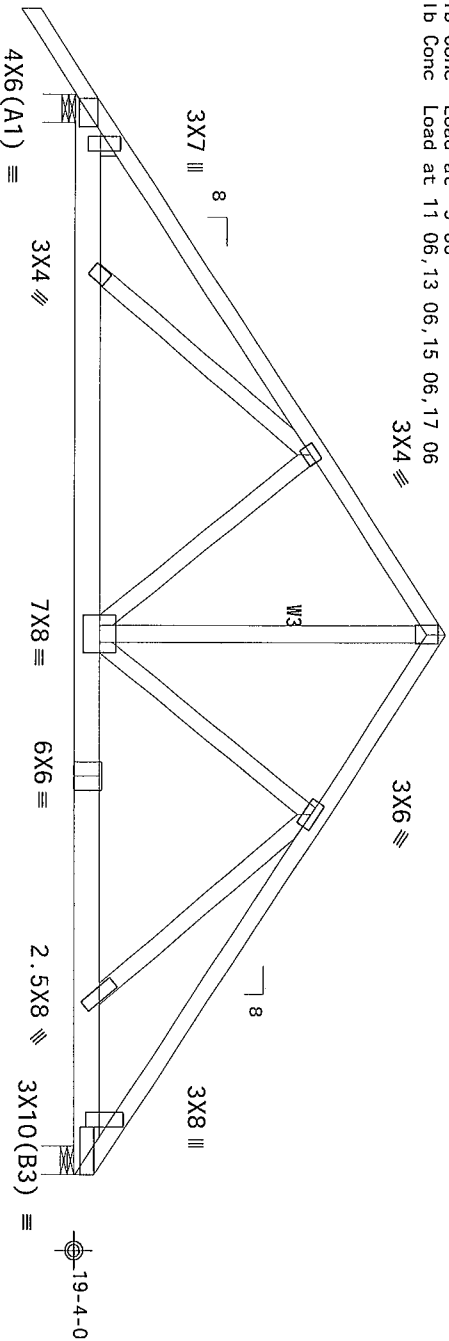
Special loads

-----Lumber Dur Fac =1.25 / Plate Dur Fac =1.25)
TC-From 57 pif at -1.50 to 57 pif at 9.50
TC-From 57 pif at 9.50 to 57 pif at 19.00
BC-From 5 pif at -1.50 to 5 pif at 0.00
BC-From 20 pif at 0.00 to 20 pif at 10.00
BC-From 20 pif at 10.00 to 20 pif at 19.00
BC-From 2215 98 lb Conc Load at 7.06
BC- 1077 97 lb Conc Load at 9.06
BC- 1082 11 lb Conc Load at 11.06, 13.06, 15.06, 17.06

4X5 (R) III

3X4

3X6



1-6-0

9-6-0

9-6-0

19-0-0 Over 2 Supports

R=3896 U=499 W=6'
RL=121/-130

R=5278 U=383 W=6'

PLT TYP Wave

Design Crit FBC2010Com/TP1-2007 (STD)

FT/RT=10%(0%)/0(0)

13 02 07 2014

QTY 1 FL/-5/-/-/R/-

Scale =.3125"/Ft.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131 x3", min nails

Top Chord 1 Row @12.00" o c

Bot Chord 1 Row @ 3.75' o c

Webs 1 Row @ 4" o c

Use equal spacing between rows and stagger nails in each row to avoid splitting

120 mph wind, 22.37 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS

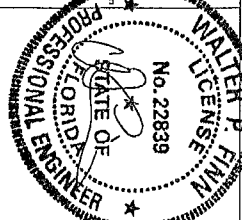
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDOA for safety and erection instructions. Trusses shall be installed in accordance with the instructions provided on the truss. Trusses shall have a properly attached rigid ceiling. Trusses shall be shown for permanent lateral restraint of webs. Trusses shall have bracing installed per BCSI section 83, 87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, installing, bracing or covering the truss. Apply places to each face of truss and position as shown above and on the Joist Deck. It is understood that the truss is an untested design. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or covering the truss shall indicate acceptance of professional engineering and sealing of the truss. The responsibility of the Building Designer per ANSI/TP1-1 Section 2. For more information see general notes page ITW BCG www.twbog.com TPI www.tpinet.org WDOA www.sbcindustry.com This job is ITC www.itscraft.org



TC LL	20.0 PSF	REF	R9114-17800
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133020
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD	37.0 PSF	SEQN-	371446
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(table)

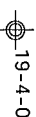
120 mph wind, 20 70 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MWFERS with additional C&C member design

Truss spaced at 24 0" OC designed to support 2-0-0 top chord outlookers Cladding load shall not exceed 10 00 PSF Top chord must not be cut or notched

Stacked top chord must NOT be notched or cut in area (NML) Drapped top chord braced at 24" o c intervals Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o c Center plate on stacked/dropped chord interface, plate length perpendicular to chord length Split top chord in notchable area using 3x6

Stacked top chord must NOT be notched or cut in area (NML) Dropped top chord braced at 24" o c intervals Attach stacked top chord (SC) to dropped top chord in notchable area using 3x6 tie-plates 24" o c Center plate on stacked/dropped chord interface, plate length perpendicular to chord length Splice top chord in notchable area using 3x6



10-0-0 Over Continuous Support

Design Crit.: FBC2010Com/TP1-2007(STD)

Design Crit. FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

QTY:1

Scale = .5"/ft

WALTER P. F.

1141

REF R9114- 17

3

Orlando FL, 32837
FL COA #0278

[illegible]

05/13/2014

TC LL	20.0 PSF	REF	R9114- 17801
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCU89114 14133006
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	371171
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V6C487_Z01

Value Set 13B (Effective 6/1/2013)

- Top chord 2x4 SP #1
- Bot chord 2x4 SP #1
- Webbs 2x4 SP #3
- Stack Chord SC1 2x4 SP #1
- Stack Chord SC2 2x4 SP #1

Lumber value set 13B uses design values approved 1/30/2013 by ALSC
See DWGS A12030ENC100212, GBLLET1N0212, & GABRST100212 for more requirements

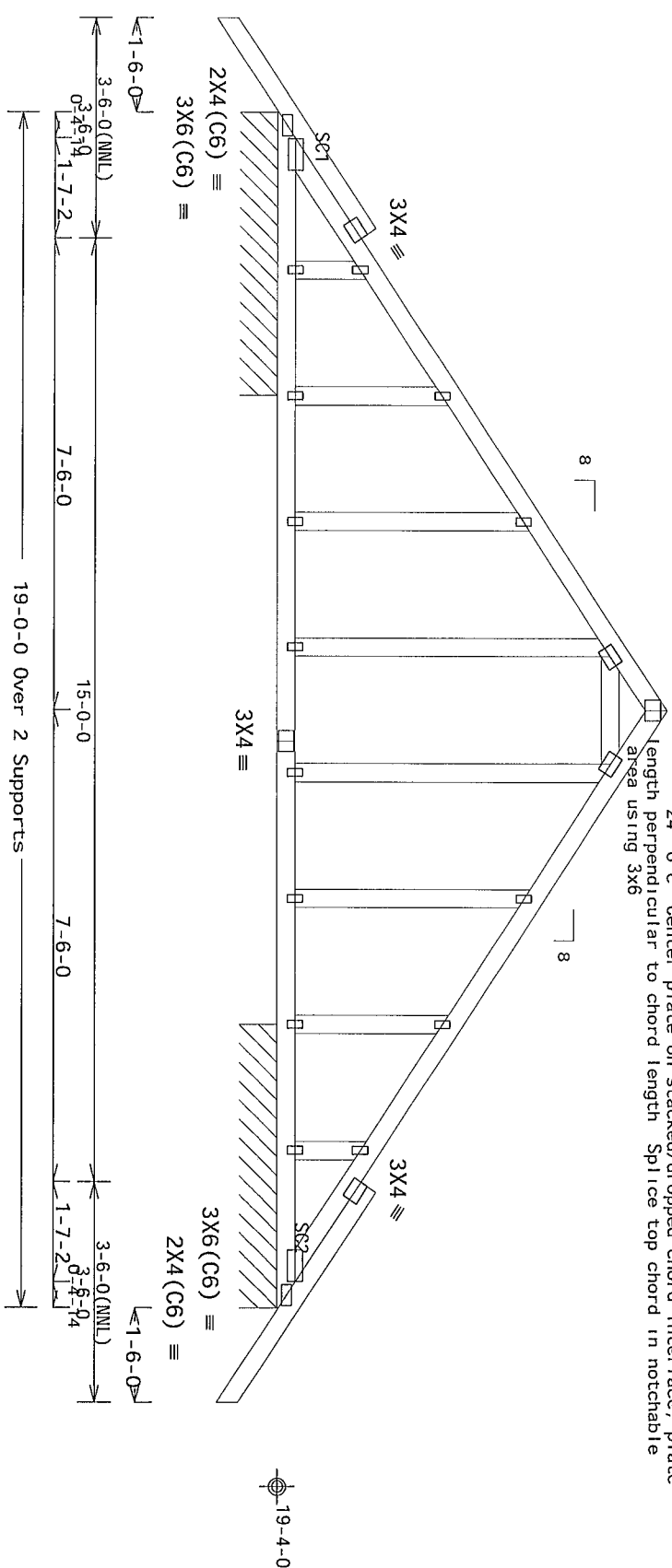
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

120 mph wind, 22.20 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design

Truss spaced at 24" o.c. designed to support 2-0-0 top chord outlockers Cladding load shall not exceed 10.00 PSF Top chord must not be cut or notched

3X4 = Stacked top chord must NOT be notched or cut in area (NML)
 3X4 = Top chord braced at 24" o.c. intervals Attach stacked top chord to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length Splice top chord in notchable area using 3x6



R=375 PLF U=54 PLF W=4-6-0
RL=62/-62 PLF

R=375 PLF U=54 PLF W=4-6-0

Note All Plates Are 1 5X3 Except As Shown.

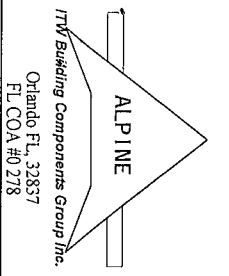
PLT TYP Wave Design Crit: FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

13.02.07

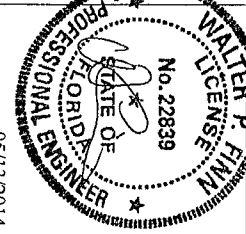
QTY:1

FL/-5/-/-/R/-

Scale = .375"/Ft



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating handling shipping and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Truss members shall have properly attached structural sheathing and bottom chord shall have a properly attached structural sheathing. Truss members shall have bracing installed per BCSI section 83 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any delay or from the construction of the truss in conformance with ANSI/TPI 1 or from handling, shipping, and use of this design for any structure. The responsibility of the Building Component Safety (BCS) shall be the responsibility of the Building Component Safety (BCS) and use of this design for any structure is the responsibility of the Building Component Safety (BCS) and use of this design for any structure is the responsibility of the Building Component Safety (BCS).
ITW BCG www.itwbcg.com TPI www.tpinet.org WTCA www.abcindustry.com IBC www.ibeate.org



05/13/2014

TC LL	20.0 PSF	REF	R9114-17802
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HGSR9114 14133011
BC LL	0.0 PSF	HC-ENG	WHK/MMHK
TOT. LD.	37.0 PSF	SEQN-	371464
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

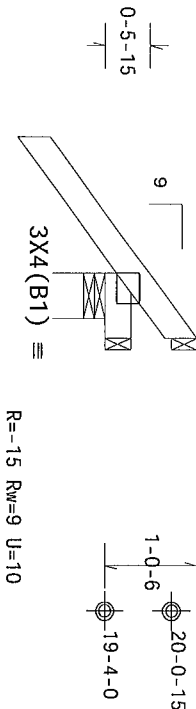
Top chord 2x4 SP #1

Bot chord 2x4 SP #1

Lumber value set '13B uses design values approved 1/30/2013 by ALSC

Deflection meets $L/240$ live and $L/180$ total load Creep increases factor for dead load is 1.50

120 mph wind, 19.54 ft mean hgt ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf $G C P_1 (+/-)=0.18$



R=-94 R_w=30 U=73

R=-15 R_w=9 U=10

1-6-0
0-8-10 Over 3 Supports

R=258 U=49 W=6'
RL=33/-27

PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

13 02.07.2028 14

QTY:2 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

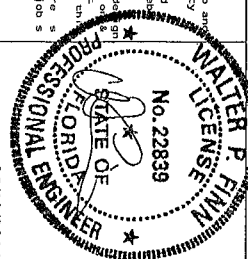
ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

*****IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS.**

Trussing requir es extensive care in fabricating, handling, shipping, installing and bracing. Follow the latest ed ition of BECS (Building Component Streeth Information) from TP1 and WTCA for safety practices prior to or performing these functions. Installers shall provide temporary bracing per BECS unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of wood shall be used for bracing and bracing by D or B10 as applicable.

1) The Building Group (the BGR) shall not be responsible for any dev iation from this design or any failure due to its use in any application. The BGR shall not be responsible for any failure due to the use of trusses, Apply plates to each face of trusses and post it on as shown above and on the Joist. Do not alter the design of the trusses. Refer to draw ings 180A-Z for standard plate positions. A seal on the drawing or cover sheet for this design shall be required for use by any professional engineer or architect. The responsibility of the Building Design Group (BDG) shall be to provide the design of the structure. This job is general nature page 1) BGR www.tlwdco.com TP1 www.tp1net.org WTCA www.sbcindustry.com



05/13/2014

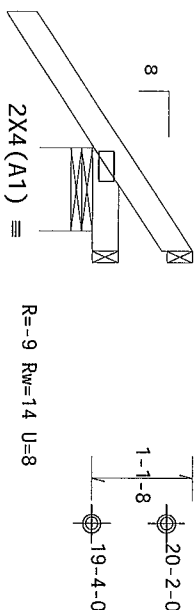
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TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 14133026
BC LL	0.0 PSF	HC-ENG	JB/WMPF
TOT.LD	37.0 PSF	SEQN-	369296
DUR FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 19 58 ft mean hgt, ASCE 7-10, CLOSED bldg, located

120 mph wind, 19 58 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gcp1(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design



R=-.38 R_w=.19 U=33

1-1-9 Over 3 Supports

R=226 U=38 W=11
RL=35/-25

PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD)	FT/RT=10%(0%)/0(0)

13 02 07 0228 14

QTY 3 FL/-/5/-/-/R/-/

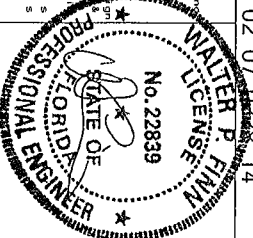
Scale = .5"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

CONCLUSION

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278



~~05/13/2014~~

TC LL	20.0 PSF	REF	R9114- 17804
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133017
BC LL	0.0 PSF	HC-ENG	JB/M/PF
TOT LD	37.0 PSF	SEQN-	369306
DUR FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1VG6487_Z01

Value Set 13B (Effective 6/1/2013)

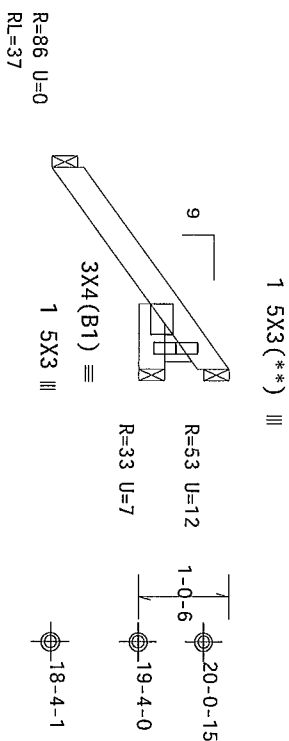
Lumber value set 13B uses design values approved 1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

(**) 1 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

120 mph wind, 19 54 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL= 0 psf GCpl(+/-)=0 18

Wind loads and reactions based on MNFRS with additional C&C member design



2-2-10 Over 3 Supports

PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)

14 02 01 0414 19

QTY 1 FL/-/5/-/-/R/-

Scale = .5"/Ft.

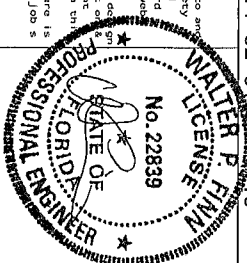
ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

••IMPORTANT•• FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenors, you're interested in a fabricing shop, handling shipping, installing, and bracing. Refer to an architect or engineer for more information. We can provide you with a list of fabricators who follow the latest edition of BCSI (Building Component Safety Information) by TPI and WFOA for safety practices and/or to perform any of these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. So, top chord shall have properly attached structural sheath and bottom chord shall have a properly attached or gird ceiling. Bracing shall be provided for permanent lateral restraint of web. Top chord shall have gird installed per BCSI section 53. Bracing or B10 as applicable.

[illegible]

~~05/13/2014~~

TC LL	20.0 PSF	REF	R9114- 17805
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	H05R9114 14133043
BC LL	0 0 PSF	HC-ENG	SSB/WMPF
TOT LD	37 0 PSF	SEQN-	1775 REV
DUR FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

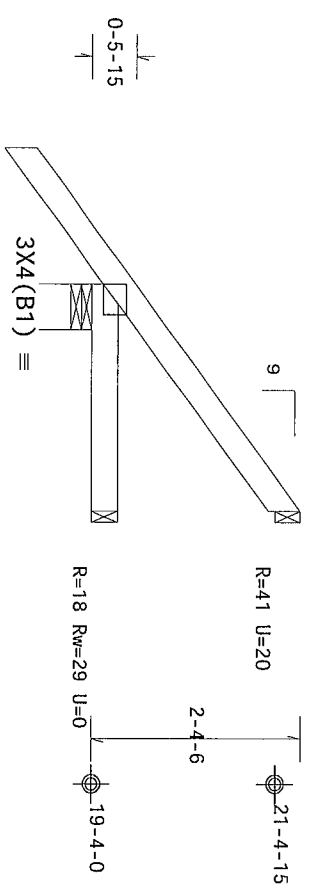
(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City F - C/J3 2 5 15 Jack)
 THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Value Set 13B (Effective 6/1/2013)
 Top chord 2x4 SP #1
 Bot chord 2x4 SP #1

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increase
 Factor for dead load is 1.50

120 mph wind, 20 20 ft mean hgt, ASCE 7-10, CLOSED bldg, located
 anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC
 DL=5.0 psf GCPI(+/-)=0.18
 Wind loads and reactions based on MMFRS with additional C&C member
 design



← 1-6-0 →
 ← 2-5-15 Over 3 Supports
 R=228 U=18 W=6
 RL=61/-35

PLT TYP Wave Design Crit FBC2010Com/TP1-2007(STD) 13 02 07 0908 14 QTY 2 FL/-/5/-/-/R/- Scale = .5"/Ft.

<div>ITW Building Components Group Inc. Orlando FL, 32837 FL COA #0278</div> <div>ALPINE</div>		<div>***WARNING*** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS</div> <div>Trusses require extreme care in fabricating and installing. Refer to any follow the latest edition of BCS1 (Building Component Safety Information by TPI and WTCA) for safety practices per or to perform these functions. Installers shall provide temporary bracing per BCS1 the truss. The top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing. Lateral bracing of walls shall have bracing installed per BCS1 sections B3 B7 or B10 as applicable.</div> <div>ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any delay arising from the any failure to build the truss in conformance with ANSI/TP1-1 or for handling or shipping materials. bracing of trusses. Apply plates to each face of truss and post on as shown above and on the joint. Data is unless noted otherwise. Refer to drawings, BCS1-2 for standard practices. A seal on this drawing will cover page listing this drawing indicates acceptance of process and engineering structure the responsibility of the building designer per ANSI/TP1-1 Sec 2. For more information see general notes page ITW-BCG www.ltdwg.com TPI www.tpinet.org WTCA www.abindustry.com This job s ICC www.ccsafe.org</div>																													
<div>WALTER P. FANN No. 22839 PROFESSIONAL ENGINEER STATE OF FLORIDA</div>		<table><tr><td>TC LL</td><td>20.0 PSF</td><td>REF</td><td>R9114- 17806</td></tr><tr><td>TC DL</td><td>7.0 PSF</td><td>DATE</td><td>05/13/14</td></tr><tr><td>BC DL</td><td>10.0 PSF</td><td>DRW</td><td>HCURS9114 14133022</td></tr><tr><td>BC LL</td><td>0.0 PSF</td><td>HC-ENG</td><td>JB/WPF</td></tr><tr><td>TOT LD</td><td>37.0 PSF</td><td>SEON-</td><td>369286</td></tr><tr><td>DUR. FAC.</td><td>1.25</td><td>FROM</td><td>JMM</td></tr><tr><td>SPACING</td><td>24.0"</td><td>JREF-</td><td>1V6C487_Z01</td></tr></table>		TC LL	20.0 PSF	REF	R9114- 17806	TC DL	7.0 PSF	DATE	05/13/14	BC DL	10.0 PSF	DRW	HCURS9114 14133022	BC LL	0.0 PSF	HC-ENG	JB/WPF	TOT LD	37.0 PSF	SEON-	369286	DUR. FAC.	1.25	FROM	JMM	SPACING	24.0"	JREF-	1V6C487_Z01
TC LL	20.0 PSF	REF	R9114- 17806																												
TC DL	7.0 PSF	DATE	05/13/14																												
BC DL	10.0 PSF	DRW	HCURS9114 14133022																												
BC LL	0.0 PSF	HC-ENG	JB/WPF																												
TOT LD	37.0 PSF	SEON-	369286																												
DUR. FAC.	1.25	FROM	JMM																												
SPACING	24.0"	JREF-	1V6C487_Z01																												

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(Jack)

Top chord 2x4 SP #1

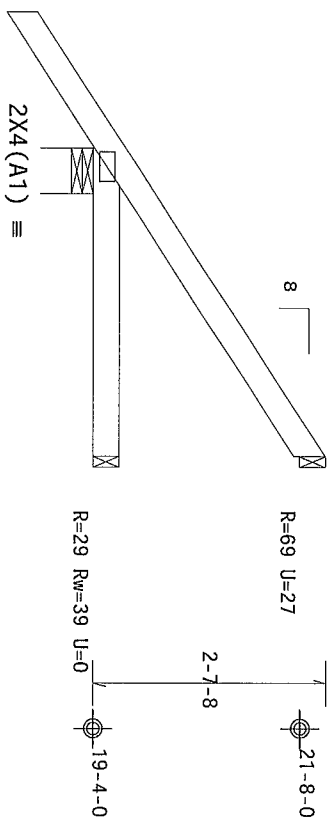
Bot chord 2x4 SP #1

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

120 mph wind 20 33 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof RISK CAT II EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design



1-6-0

~~3-4-9 Over 3 Supports~~

R=254 U=20 W=6
RL=67/-32

PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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13.02.07 0328 14

QTY.3

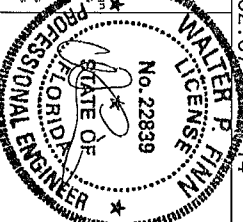
FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~05/13/2014~~

IC LL	20.0 PSF	REF	R9114- 1/80/
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 14133015
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	369283
DUR. FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V6C487_Z01

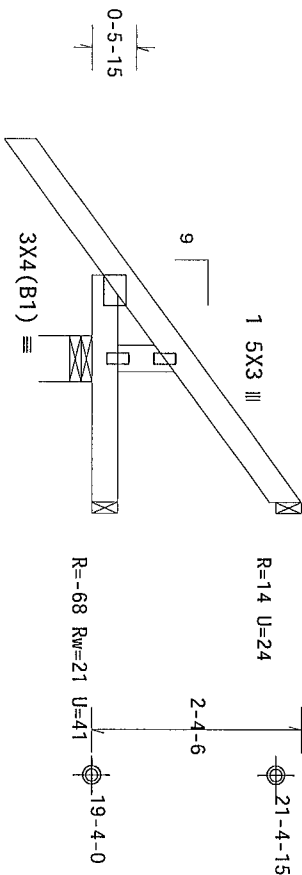
(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City F - CJB 2 5 15 Jack)
 THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Value Set 13B (Effective 6/1/2013)
 Top chord 2x4 SP #1
 Bot chord 2x4 SP #1
 Webs 2x4 SP #3

Lumber value set 13B" uses design values approved 1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

120 mph wind, 20.20 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof RISK CAT II, EXP B wind TC DL=3.5 psf, wind BC DL=5.0 psf GCPI(+/-)=0.18
 Wind loads and reactions based on MMFRS with additional C&C member design
 Left cantilever is exposed to wind



1-6-0 10-8-0
 2-5-15 Over 3 Supports
 R=381 U=23 W=6'
 RL=61/-35

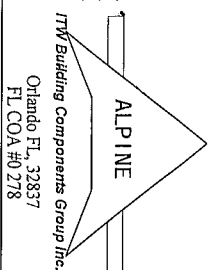
PLT TYP Wave

Design Crit FBC2010Com/TP1-2007(STD)
 FT/RT=10%(0%)/0(0)

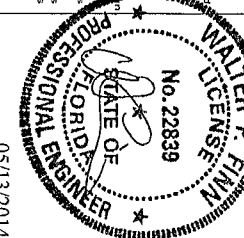
13 02 07

QTY:1 FL/-/5/-/5/-/R/-

Scale = .5"/Ft.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
 -IMPORTANT- Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety Information) by TPI and WIDA for safety instructions. Do not perform any truss function. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and post on as shown above and on the joint. Data is unless noted otherwise. Refer to drawings 180A-2 for standard plate positions. A seal on the drawing of cover plate listing this drawing indicates acceptance of process and engineer's signature. The responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page ITW-BGC www.tbdcg.com TPI www.tpinet.org WIDA www.structure.com
 ICC www.iccsafe.org



TC LL	20.0 PSF	REF R9114-17808
TC DL	7.0 PSF	DATE 05/13/14
BC DL	10.0 PSF	DRW HCURS9114 14133042
BC LL	0.0 PSF	HC-ENG SSB/WMP
TOT. LD.	37.0 PSF	SEON- 369817
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V6C487_Z01

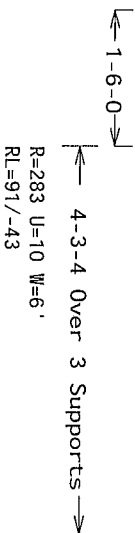
05/13/2014

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 20 87 ft mean hgt, ASCE 7-10, CLOSED bldg, Located

120 mph wind, 20 87 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design



R=283 U=10 W=6
RL=91/-43

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

$$FT/RT=10\%(0\%)/0(0)$$

13.02 07 2028:164

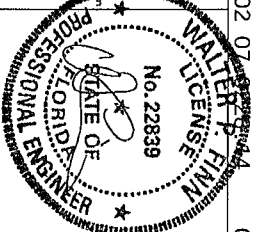
QTY:2 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

..WARNING.. READ AND FOLLOW ALL NOTES ON THIS SHEET!
..IMPORTANT.. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

[illegible][illegible]

~~05/13/2014~~

TC LL	20 0 PSF	REF	R9114- 17809
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133021
BC LL	0.0 PSF	HC-ENG	JB/MPP
TOT.LD	37 0 PSF	SEQN-	369293
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

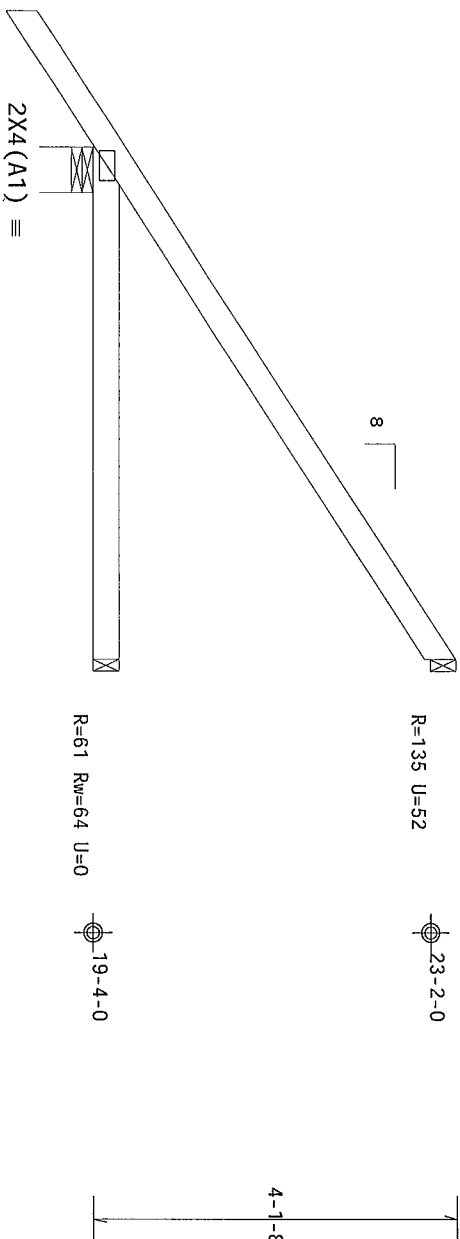
Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50

120 mph wind, 21.08 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf,
wind BC DL=5.0 psf GCPI (+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member
design



1-6-0
5-7-9 Over 3 Supports
R=330 U=16 W=6"
RL=101/-40

PLT TYP Wave

Design Crit. FBC2010Com/TP1-2007(STD)
FT/RT=10%(0)/0(0)

13.02.07

QTY:3 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

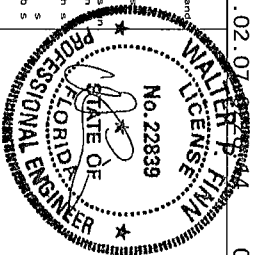
ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information on by TPI and WTC. For safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached and installed lateral bracing system. Trusses shall be braced in accordance with BCSI section 83, 87 or 810 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, on bracing of trusses. Apply plates to each face of truss and post on as shown above and on the joint. Data is unless noted otherwise. Refer to drawings 180A-2 for standard plate post on. A seal on the ITWBCG logo is required on all drawings. The seal shall be placed on the drawing and on the structure. Responsibility shall be for the design and construction of the truss. For more information see the general notes page. ITW BCG www.itwbcg.com TPI www.tpi.net WTC www.wtcindustry.com This job is ICC www.iccsafe.org



05/13/2014

TC LL	20.0 PSF	REF	R9114-17810
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133014
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT LD	37.0 PSF	SEQN-	369277
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(Jack)

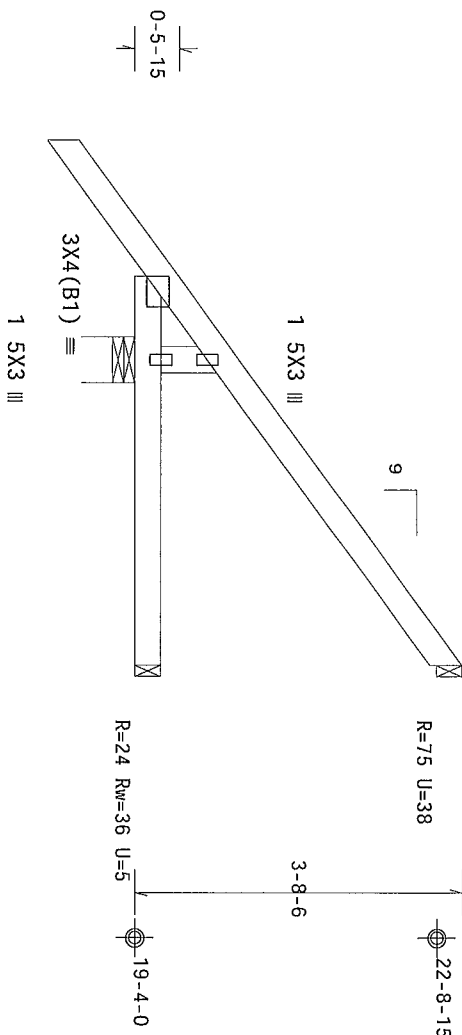
120 mph wind, 20 87 ft mean hgt, ASCE 7-10, CLOSED bldg, Located

120 mph wind, 20 87 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCp1(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

Left cantilever is exposed to wind

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



1-6-0 0-8-0

4-3-4 Over 3 Supports →

R=367 U=8 W=6'
RL=91/-43

PLT TYP Wave

Design Crit. FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

13.02 07

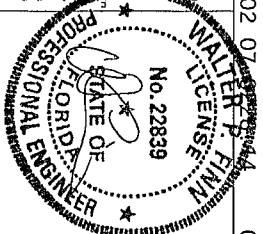
QTY:1 FL/-/5/-/-/R/-

Scale = .5"/Ft.

*****WARNING***** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

[illegible]

~~05/13/2014~~

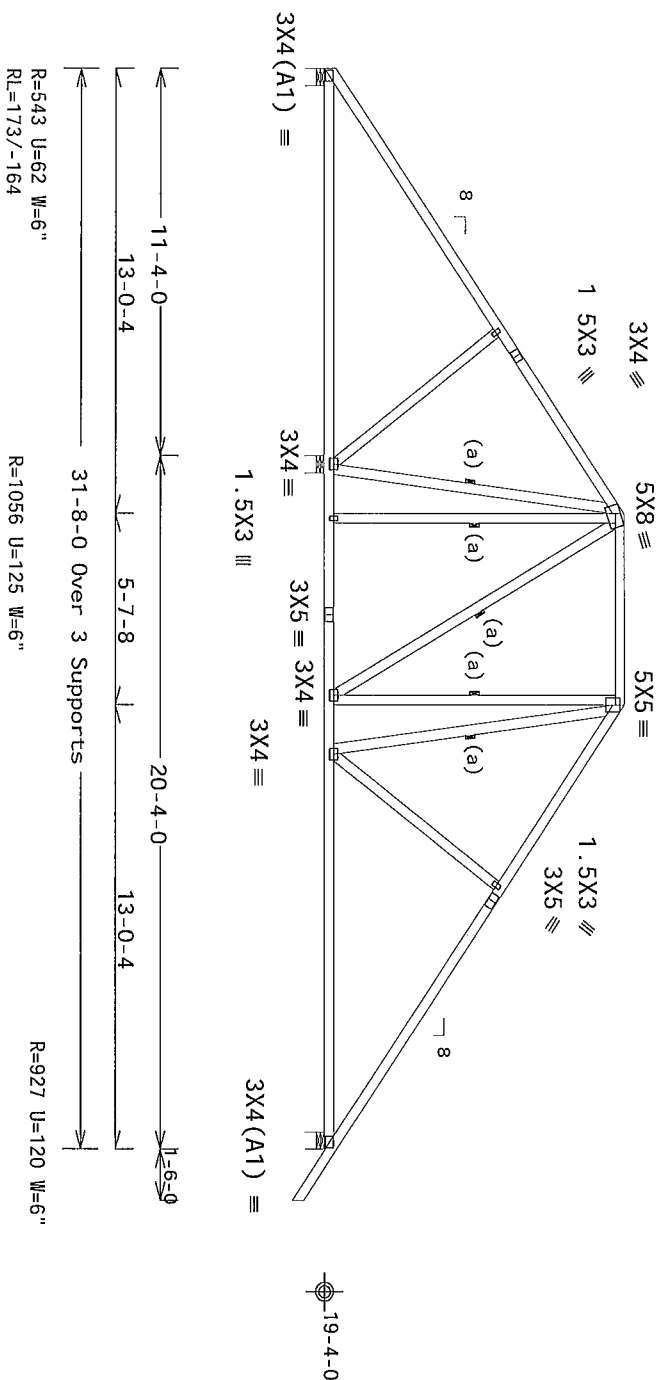
TC LL	20.0 PSF	REF	R9114-17811
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	H05R9114 14133040
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT.LD	37.0 PSF	SEQN-	369823
DUR FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
epdown Hip)

120 mph wind, 23 54 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

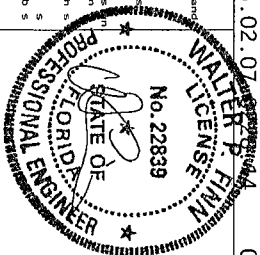
Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50



Scale = .1875"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~05/13/2014~~

TC LL	20 0 PSF	REF	R9114- 17812
TC DL	7 0 PSF	DATE	05/13/14
BC DL	10 0 PSF	DRW	HCUSR9114 14133031
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SECON-	371158
DUR FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive lake city, F - D1 20'4" Steepdown Hip Girder)

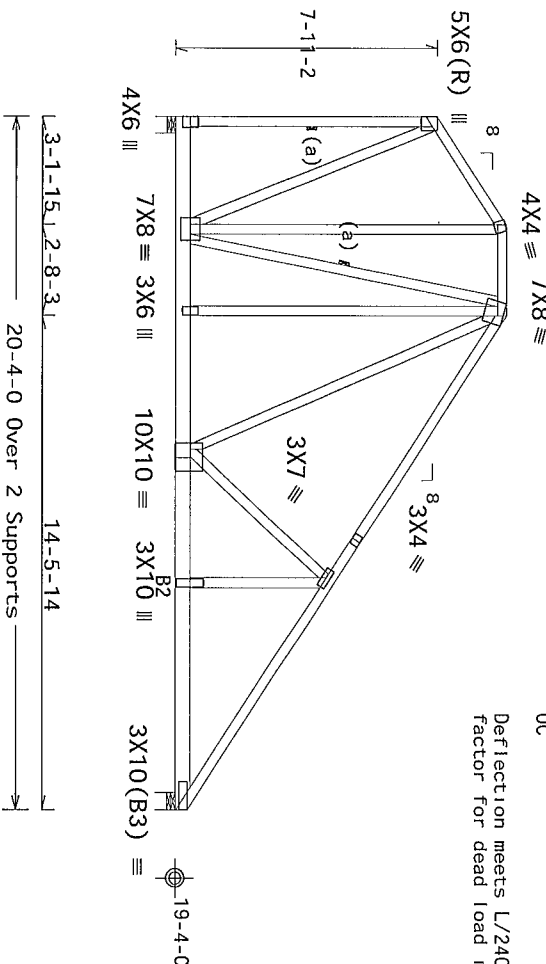
Value Set 13B (Effective 6/1/2013)
Top chord 2x4 SP #1
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

Special loads

-----Lumber Dur Fac =1.25 / Plate Dur Fac =1.25)
TC- From 57 pif at 0.00 to 57 pif at 3.16
TC- From 57 pif at 3.16 to 57 pif at 5.84
TC- From 57 pif at 5.84 to 57 pif at 20.33
BC- From 10 pif at 0.00 to 10 pif at 20.33
BC- 1085 00 1b Conc Load at 1.60, 3.60, 5.60, 7.60
9.60
BC- 1082 11 1b Conc Load at 11.60, 13.60, 15.60, 17.60
19.60

Left end vertical not exposed to wind pressure



R=5822 U=325 W=6"

R=6372 U=428 W=6

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131'x3", min nails
Top Chord 1 Row @12.00" o c
Bot Chord 2 Rows @ 6.00" o c (Each Row)
Webs 1 Row @ 4' o c
Use equal spacing between rows and stagger nails
in each row to avoid splitting
4 o c spacing of nails perpendicular and parallel to
grain required in area over bearings greater than 4"

120 mph wind, 24.53 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC
DL=5.0 psf GCP1(+/-)=0.18

Wind loads and reactions based on MMFRS

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" o c

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50

PLT TYP Wave

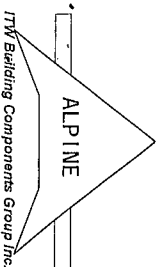
Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(%) / O(O)

13 02 07 00000014

QTY 1 FL/-/5/-/-/R/-

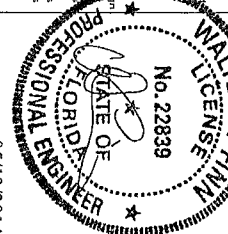
Scale = .1875" / Ft.

ALPINE



Orlando FL 32837
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, and bracing. Refer to and
follow the latest edition of BCS (Building Components Safety) information on by TPI and WTA for safety
information. Trusses are designed to be installed in a specific manner. Do not alter the design
unless noted otherwise. Top chord shall have properly attached structural sheathing and brace chord
shall have bracing installed per BCS section B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or
bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joist
details is unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on the
truss is required for the design shown. The suitability and use of this design for any structure is
the responsibility of the building designer per ANSI/TPI 1 Section 2. For more information see
general notes page ITW BCG www.twocg.com TPI www.tpi.net.org WTA www.stcindustry.com
ITC www.ccsafe.org



TC LL	20.0 PSF	REF	R9114-17813
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133028
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	371449
DUR FAC	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

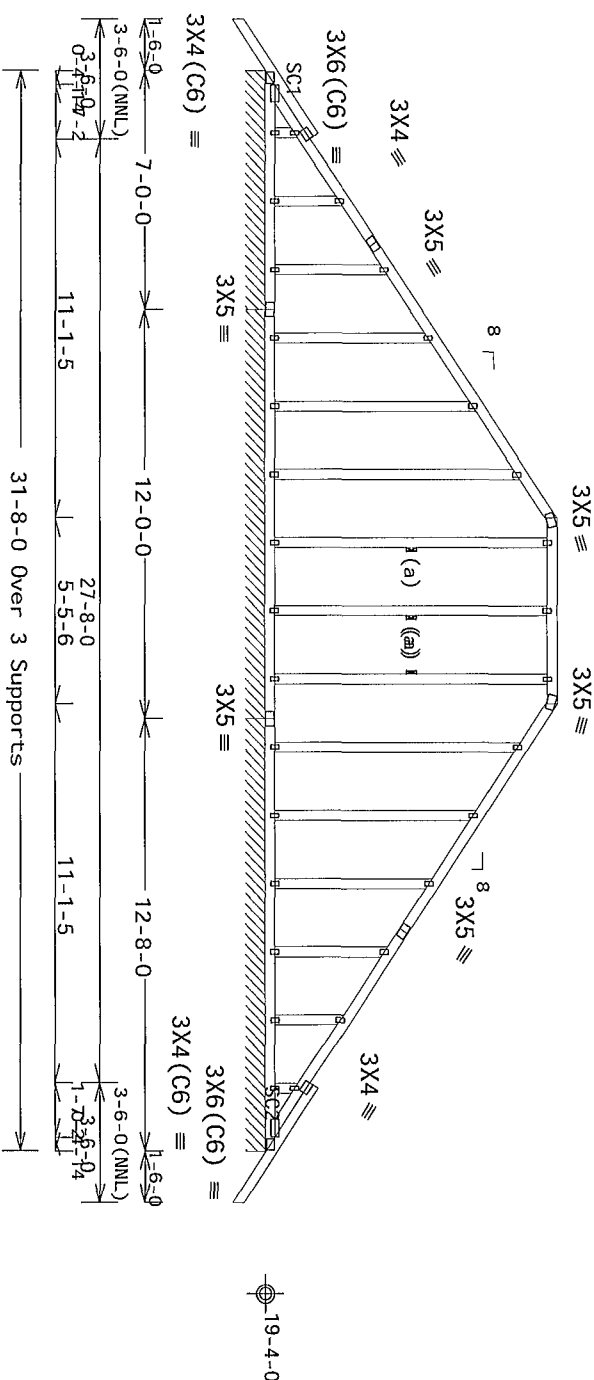
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR (Gable)

120 mph wind, 23 40 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1(+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

In lieu of structural panels use purlins to brace all flat TC @ 24" OC



R=191 PLF U=28 PLF W=7-0-0 R=200 PLF U=33 PLF W=12-8-0
 RL=53/-53 PLF R=208 PLF U=16 PLF W=12-0-0

Note All Plates Are 1 5X3 Except As Shown

PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD)	FT/RT=10%(0%)/0(0)

13 02 07 08 09 10 11 12 13 14

QTY:1

FL/-/5/-/-/R/-

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0 278

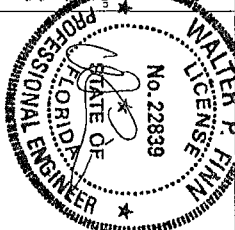
****IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trussco requires extensive care in fabricating, handling, installing, and bracing. Follow the latest edition of ECBS' Building Component Safety Information on by TPI and WTCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per ECBS. Unless noted otherwise, top chord shall have properly attached structural snatching and bottom chord shall have a properly attached 7' x 8' ceiling. See ECBS on form for permanent lateral restraint of walls. Shall have bracing installed per ECBS sections 63, 67 or 810 as applicable.

TPI Building Components Group, Inc. (TBMCO) shall not be responsible for any deviation from this design. Any deviation shall be the responsibility of the contractor. TPI shall not be responsible for any deviation from this design. Any deviation shall be the responsibility of the contractor. TPI shall not be responsible for any deviation from this design. Any deviation shall be the responsibility of the contractor.

Drawings of cover page 1 at the design drawing. The suitability and use of this design for any structure is the responsibility of the building designer per AISI/TPI 1 Sec 2. For more information see this job's general notes page. TPI BCG www.tbmco.com TPI www.tpi.net WTCO www.theindustry.com

www.tbmco.org



05/13/2014

TC LL	20.0 PSF	REF	R9114- 17814
TC DL	7 0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 14133001
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	371485
DUR.FAC.	1 25	FROM	JMW
SPACING	24 0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(down Hip)

Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1
	Webs	2x4	SP	#3

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

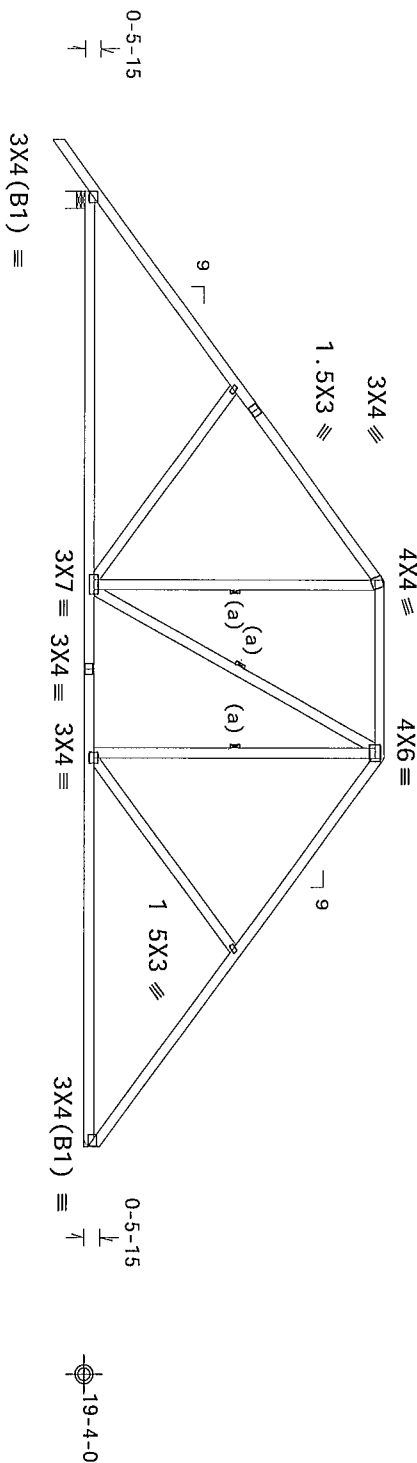
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

MMWFRS loads based on trusses located at least 11 77 ft from roof edge

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2)2x6 SP SS supporting member
(14) 0 148 x3" nails into supporting member,
(4) 0 148"x3" nails into supported member

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50



9

11-4-10

5-2-11

11-4-10

11-4-10

28-0-0 Over 2 Supports

R=1182 U=45 W=6
RL=167/-178

R=1082 U=32
H=H1

PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD)
	FT/RT=10%(0%)/0(0)

13.02 07 2023

QTY 1 FL/-/5/-/-/R/-

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

IMPORTANT - FINISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS.

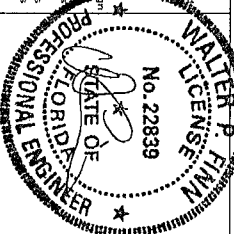
Trustees require extensive care in fabricating, handling, and installing and bracing. Follow the latest edition of BCOS (Build up Component Safety Information) from TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCOS. Units need not otherwise be so stored shall have temporary attached structural sheathing and bottom chord shall have bracing installed per BCOS sections B3 or B10 as applicable.

17B-BEG shall not be responsible for any deviation from this document. The contractor shall be responsible for any failure to follow the design and specifications of the building. The contractor shall be responsible for the bracing of trusses. Apply plates to each face of truss and post on its shown above and on the Joist Deck is unless noted otherwise. Refer to drawings 180A-2 for standard plate connections. A seal on this drawing or cover page listing in a drawing not cases acceptance of professional engineering and/or structural engineering is required. The contractor shall be responsible for the bracing of trusses. Apply plates to each face of truss and post on its shown above and on the Joist Deck is unless noted otherwise. Refer to drawings 180A-2 for standard plate connections. A seal on this drawing or cover page listing in a drawing not cases acceptance of professional engineering and/or structural engineering is required.

The responsibility of the building has been given per ANSI/TPI 1, Sec 2. For more information on this subject, please contact TPI at 1-800-393-7344 or visit our website at www.tpi.org.

General notes page 17B-BEG www.tpi.org TPI www.tpi.org WTCA www.abendustry.com

CCC www.ccc.org



TC LL	20.0 PSF	REF	R9114 - 17815
TC DL	7 0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	H0US9114 14133046
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	371400
DUR.FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V6C487 Z01

(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City F - E1 28' Steppdown Hip)
 Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP #1
 Bot chord 2x4 SP #1
 Webs 2x4 SP #3

Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24 OC

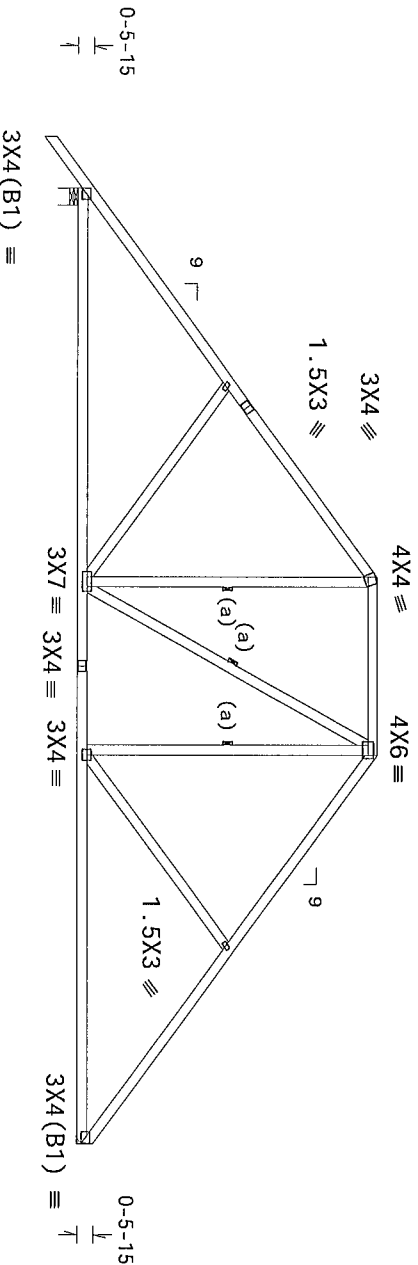
MMFRS loads based on trusses located at least 11 77 ft from roof edge

120 mph wind, 23.54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf 6CPI(+/-)=0.18
 Wind loads and reactions based on MMFRS with additional C&C member design

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
 (H1) = HUS26 w/ (2)2x6 SP SS supporting member,
 (14) 0.148 x3" nails into supporting member,
 (4) 0.148 x3" nails into supported member

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



11'-4"-10 5'-2"-11 11'-4"-10
 28'-0" Over 2 Supports
 R=1182 U=45 W=6"
 RL=167/-178
 R=1082 U=32
 H=H1

PLT TYP Wave Design Crit FBC2010Com/TP1-2007(STD)
 FT/RT=10%(0%)/0(0)

13.02.07.08.09.14

QTY 1 FL/-/5/-/5/-/R/-

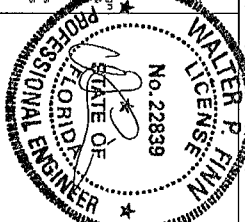
Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
 FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
 Trusses require extreme care in fabricating handling shipping and bracing. Refer to any and all notes on this sheet for details. Do not alter or modify in any way without written permission from ITW Building Components Group Inc. (ITWBCG).
 Follow the latest edition of BCSI (Building Component Safety) information on by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be properly braced and secured to the building structure. Trusses shall have a properly attached and secured lateral restraint or web shall have bracing installed per BCSI section B3, B7 or B10 as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any device or from the design of any fastener to build the truss in conformance with ANSI/TPI 1 or for handling shipping or installation. Data is unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page stating the drawing is a copy of the original design is required for any structure. The reasons by ITW Building Components Group Inc. for any change in design shall be noted on any structure. The seal on the drawing or cover page shall be removed. For more information, visit the ITWBCG website at www.itwbcg.com. TPI www.tpi.net WTC www.wtcindustry.com ILC www.ilcrae.org



TC LL	20.0 PSF	REF	R9114-17816
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 14133012
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEGN-	371400
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

05/13/2014

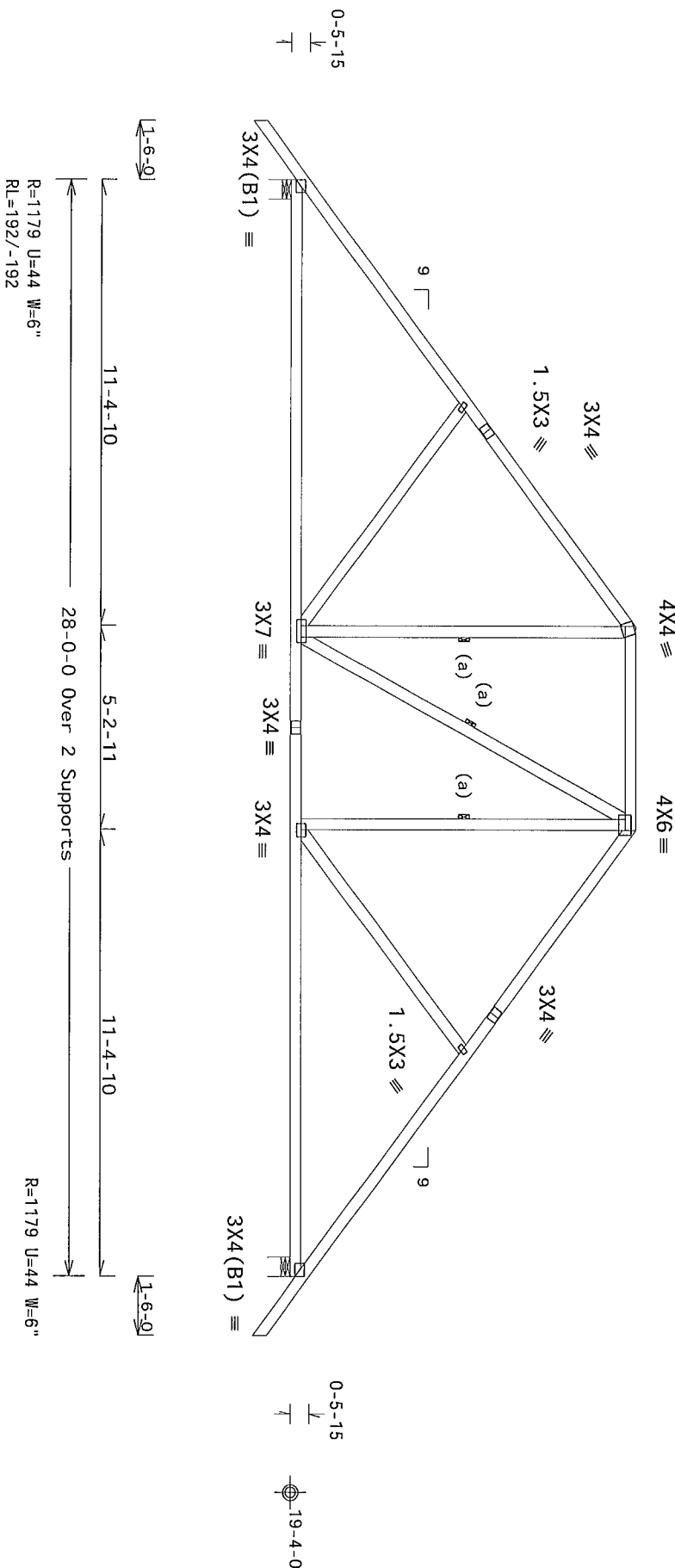
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(down Hip)

120 mph wind, 23 54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

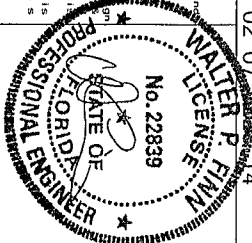


Scale = .25"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

*****IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET*****
FURNISHING DESIGNS AND TOLERANCE NOTES
 1. Tolerance from or to extreme limits in either direction shall be as shown and no further adjustment shall be made.
 2. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTCO, for BCSI practices prior to or perform on these products. Installations shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have a properly attached structural sheath and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
 3. Building Components Group Inc. (BCECO) shall not be responsible for any deviation from this document. Any deviation shall be noted on the drawings and approved by the manufacturer.
 4. Bracing of trusses: Apply plates to each face of truss and position as shown above and on the joint. Details, unless noted otherwise, shall conform to drawings 180A-Z for standard P and positions. A seal on this drawing or covering plate listing this drawing is not a substitute for proper installation.
 5. For more information on the building process and product, please contact the manufacturer.
 6. The responsibility for the Building and Design per ANSI/TPI 1 Sec 2. For more information on the building process and product, please contact the manufacturer.
 7. general notes page 17H-306 www.tbdc.org TPI www.tbdc.org WTCO www.tbdcindustry.com
 8. www.cesafe.org



~~05/13/2014~~

TC LL	20.0 PSF	REF	R9114- 17817
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 14133023
BC LL	0.0 PSF	HC-ENG	WHK/MMHK
TOT LD	37.0 PSF	SEON-	371410
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(pdown Hip)

120 mph wind, 23 54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located

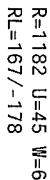
120 mph wind, 23 54 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50

factor for dead load is 1.50



R=1082 U=32 W=6'

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

13.02 07 0338 14

QTY.4

FL/-/5/-/-/R/-

Scale = .25"/Ft.

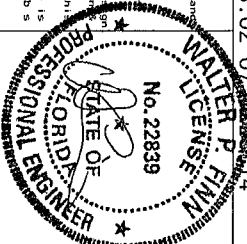
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

These requirements are a fabricating, handling, shipping, installing and bracing. Refer to any follow the latest edition of BCSI's Building Component Safety Information by TPI and WITCA for safety practice or for performing these functions. Installers shall provide temporary bracing per BCSI specifications unless otherwise specified. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly installed tie rod. Any steel members shown for permanent lateral restraint of web shall have three (3) installed per BCSI section 8.5.3, 8.7 or 8.10 as applicable.

TPI Building Components Group Inc. (TIBCOG) shall not be responsible for any deviation from the design or installation of the truss system. The contractor shall ensure that all components are installed in accordance with any TIBCOC drawings or specifications. Refer to drawing nos. 160A-D for standard plate positions. A seal on this drawing or cover page listing the design shop name, date of acceptance of project and engineering responsibility solely for the design shop. The suitability and use of this design for any structure is the responsibility of the building designer. Per ANSI/TPI Section 2. For more information see In a job general notes page TPI-BOS www.tibcog.com TPI www.tpi.org WITCA www.industry.com



~~05/13/2014~~

TC LL	20.0 PSF	REF	R9114-17818
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133034
BC LL	0.0 PSF	HC-ENG	WMH/WMH
TOT. LD.	37.0 PSF	SEGN-	371415
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

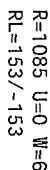
120 mph wind, 24 10 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 0 00 ft from roof edge, DISK CAT 1, EYP B, wind TC 0-3 5 ref

120 mph wind, 24 10 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50



Scale = .25"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

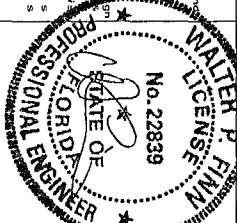
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trussing require extreme care in fabric cutting, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCIS (Building Component Safety) Information by TPI and WITCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCIS unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have three (3) installed per BCIS section 88, 87 or 810 as applicable. Lateral restraint of wood joists shall be provided by blocking.

JTW Building Components Group Inc. (JTBWG) shall not be responsible for any loss due from the installation of trusses if failure to build the trusses in conformance with ANSI/TPI-1 or for handling, air drying, materials on the building site, or bracing of trusses. Apply plates to each face of trusses and post it on as shown above and on the Joint Deck as unless mentioned otherwise. Please refer to drawing B60A-2 for standard plate positions. A seal on this document is required for all drawings. The seal must be signed by the manufacturer and dated. Seal on this document is required for all drawings. The seal must be signed by the manufacturer and dated.

The responsibility solely for the design and use of this design for any structure shall remain with the user. This document is not intended to replace professional engineering services. For more information on see the response by TPI of the Building Design Panel ANSI/TPI-1 Sec 2.

general / notes page JTW-BDC www.twdco.com tpi www.trinort.org WITCO www.abcdindustry.com
www.leclairfrg.com



~~05/13/2014~~

TC LL	20.0 PSF	REF	R9114- 17819
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 14133030
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	371422
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City, F - E5 28 Steppdown Hip)

Value Set 13B (Effective 6/1/2013)
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Lumber value set '13B uses design values approved 1/30/2013 by ALSC

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24' OC

MMFRS loads based on trusses located at least 12.05 ft from roof edge

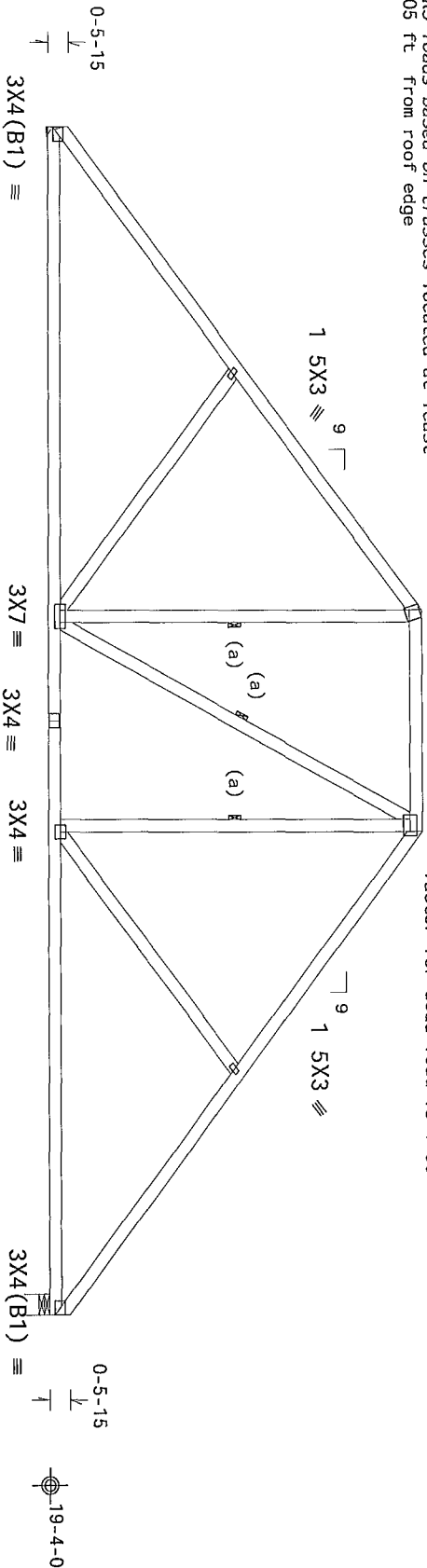
120 mph wind, 24.10 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCpl(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2)2x6 SP #2 supporting member
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



R=1085 U=32
RL=153/-153
H=H1

R=1085 U=32 W=6"

PLT TYP Wave

Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

13.02 07 0228 14

QTY 5 FL/-/5/-/R/-

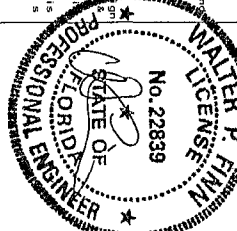
Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to any and all applicable codes and standards for safety practices. Do not alter or modify the design without the written approval of the manufacturer. The manufacturer shall have a properly attached and sealed original design and shall have bracing installed per BCS sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installing or bracing of trusses. Apply plates to each face of truss and post on as shown above and on the joint. Do not draw its own design. The manufacturer shall be responsible for the design and the manufacturer shall be responsible for the design and the manufacturer shall be responsible for the design.
www.itwbcg.com TPI www.tpi.net.org WTCA www.dce-industry.com
www.icsafe.org



05/13/2014

TC LL	20.0 PSF	REF	R9114-17820
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133033
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	371427
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(pdown Hip)

120 mph wind, 23 54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

Lumber value set '13B uses design values approved 1/30/2013 by ALSC

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins to brace

 $4 \times 6 =$

These support conditions used at bearings indicated

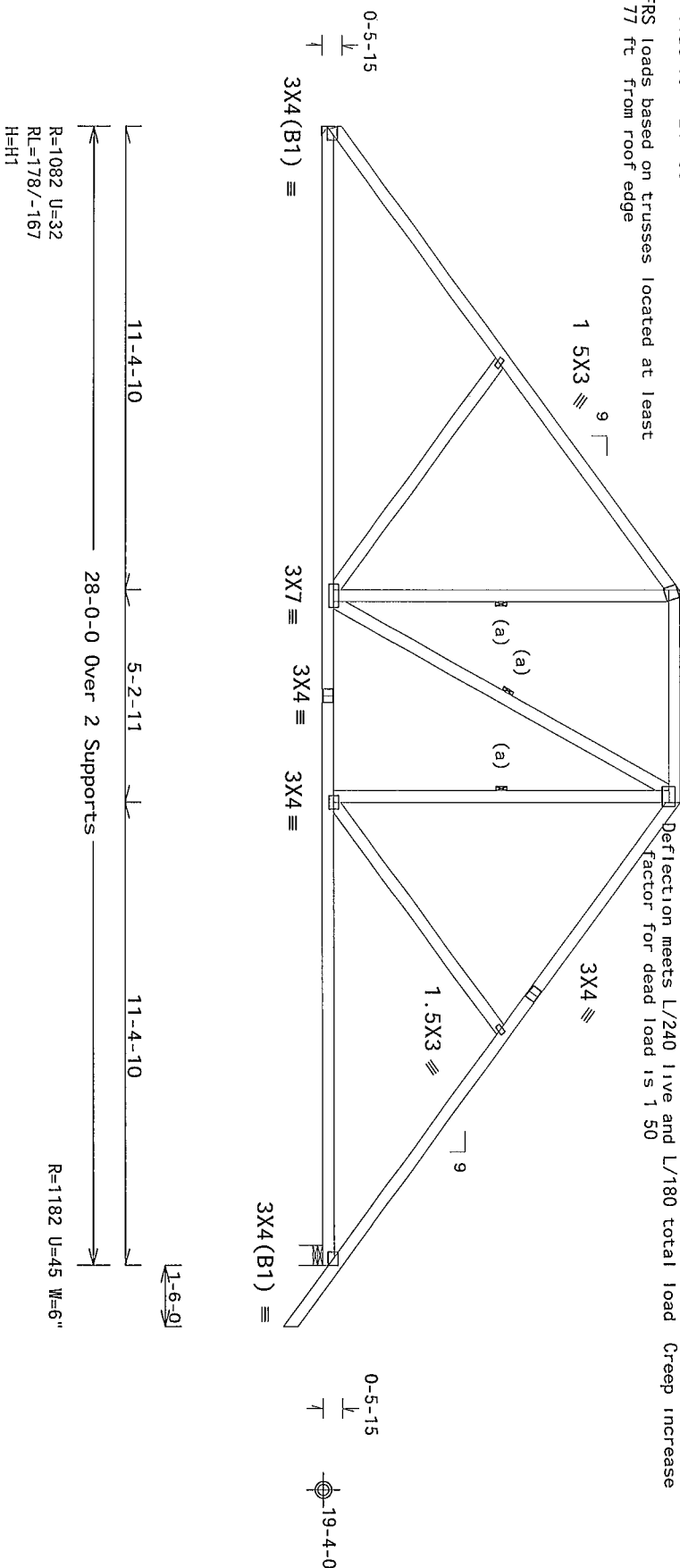
(H1) = HUS26 w/ (2)2x6 SP SS supporting member

(14) 0 148"x3 nails into supporting member,

(4) 0 148"x3 nails into supported member

MMWFRS loads based on trusses located at least 11 77 ft from roof edge

Deflection meets $L/240$ live and $L/180$ total load Creep increases factor for dead load is 1.50



PLT TYP. Wave

Design Crit. FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

13.02.07 0328 14

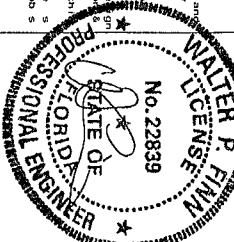
QTY:2 FL/-/5/-/-/R/-

Scale = .25"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~05/13/2014~~

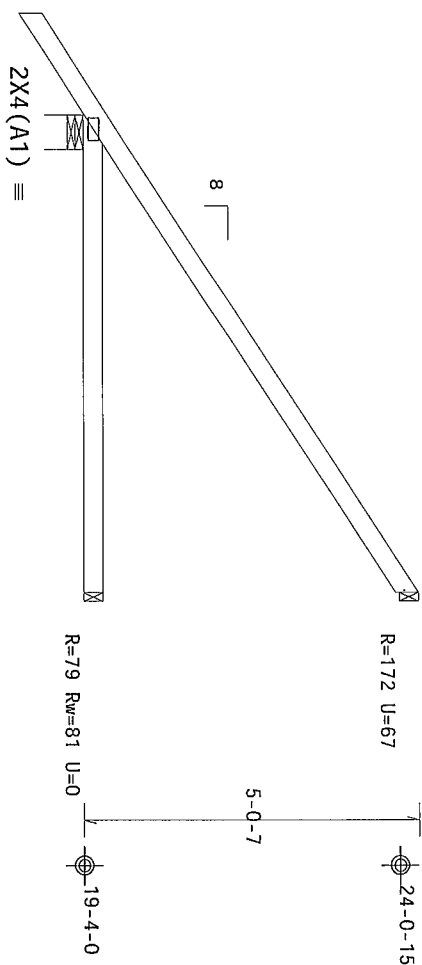
TC LL	20.0 PSF	REF	R9114- 17821
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	H05R9114 14133010
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	371432
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(Jack)

120 mph wind, 21 54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge. RISK CAT 1. EXP B. wind TC D=3 5 psf.

120 mph wind 21 54 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf 6Cp1(+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design



1-6-0
7-0-0 Over 3 Supports
R=379 U=15 W=6'
RL=123/-44

Scale = 375"/Ft.

ALPINE

ITW Building Components Group Inc

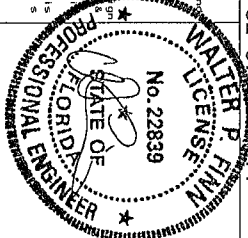
Orlando FL, 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTICES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trausers requ re extome care in fibr cut ng handling sp ng install ng and brea ng Refer to safety follow the latest edition of BCSI Buil ng Component Safety Informaton by TPI and WTCO for safety practices pr or to perform ng these funct ons Installers shall prov de temporary brace ng per BCSI Unions need otherwise top chord shall have properly attached structural bracing ng and bottom chord shall have a properly installed purlin ceiling ng Locations shown for permanent lateral restr nct of wood shall have brace ng installed per BCSI sect ng 8J D7 or B10 as applicable

ITW Buil ng Components Group Inc (ITWBGC) shall not be responsible for any dev at on from th s and any other drawings or specifications. ITWBGC shall not be responsible for any damage to property or persons caused by the application of this design. Apply plates to end connections of trusses and positions as shown on the drawing. A seal on the back is unless noted oherwise. Refer to draw ng 160A-2 for standard plate posit ons. A seal on the drawing or cover page 1 at ng th s draw ng not cates acceptance of professional eng neer ng respons b l ty solely for the des gn shown The u tabll ty and use of this des gn for any structure is the responsibility of the Buil ng Designe rper ANSI/TPI Sect 2 For more informaton see Th s Job s general notes page ITW-BGC www twbgc com WTCO www wtcocorp com

ITC www iccalle org



~~05/13/2014~~

TC LL	20.0 PSF	REF	R9114- 17822
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCU9r9114 14133027
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37 0 PSF	SEQN-	369276
DUR FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V6C487_Z01

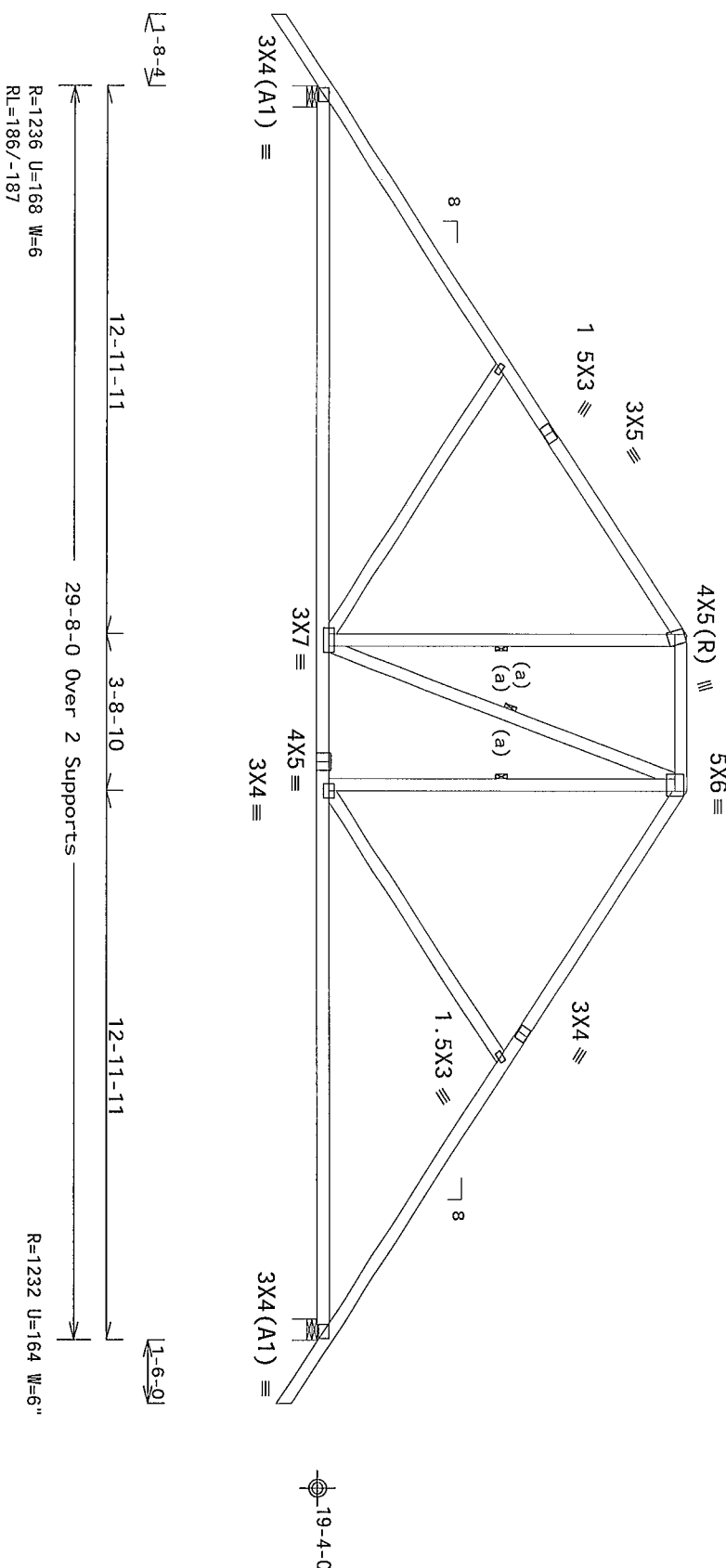
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
(down Hip)

120 mph wind, 23 47 ft mean hgt, ASCE 7-10, CLOSED bldg, Located

120 mph wind, 23 47 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCPI(+/-)=0 18

(a) Continuous lateral restraint equally spaced on member

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



PLT TYP Wave

Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

13 02 07 0338 14

QTY 3

FL/-/5/-/-/R/-

Scale = .25"/Ft.

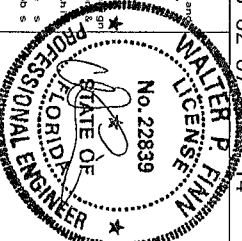
ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT****
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenuses requir extreme care n fabricating handling n shipping installing and using Refer to fol on the latest ed t on of BCSI (8) id ng Compaign Safety Information by TPI and WDA for safety Pract ces pr or to perform ng these func ons Installers shall prov de temporary brace ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d act ng Locat ons shown for permanent lateral restraint of members shall have brace ng installed per BCSI sect ons 83 br or 810 as applicable

[illegible]

~~05/13/2014~~

TC LL	20 0 PSF	REF R9114- 17823
TC DL	7.0 PSF	DATE 05/13/14
BC DL	10.0 PSF	DRW HCUSR9114 14133001
BC LL	0.0 PSF	HC-ENG SSB/MPP
TOT LD	37 0 PSF	SEON- 371704
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V6C487 Z01

(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive lake city, F - GDGE 29 8 Steppdown H(p)

Value Set 13B (Effective 6/1/2013)
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2
Stack Chord SC1 2x4 SP #1 Stack Chord SC2 2x4 SP #1

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

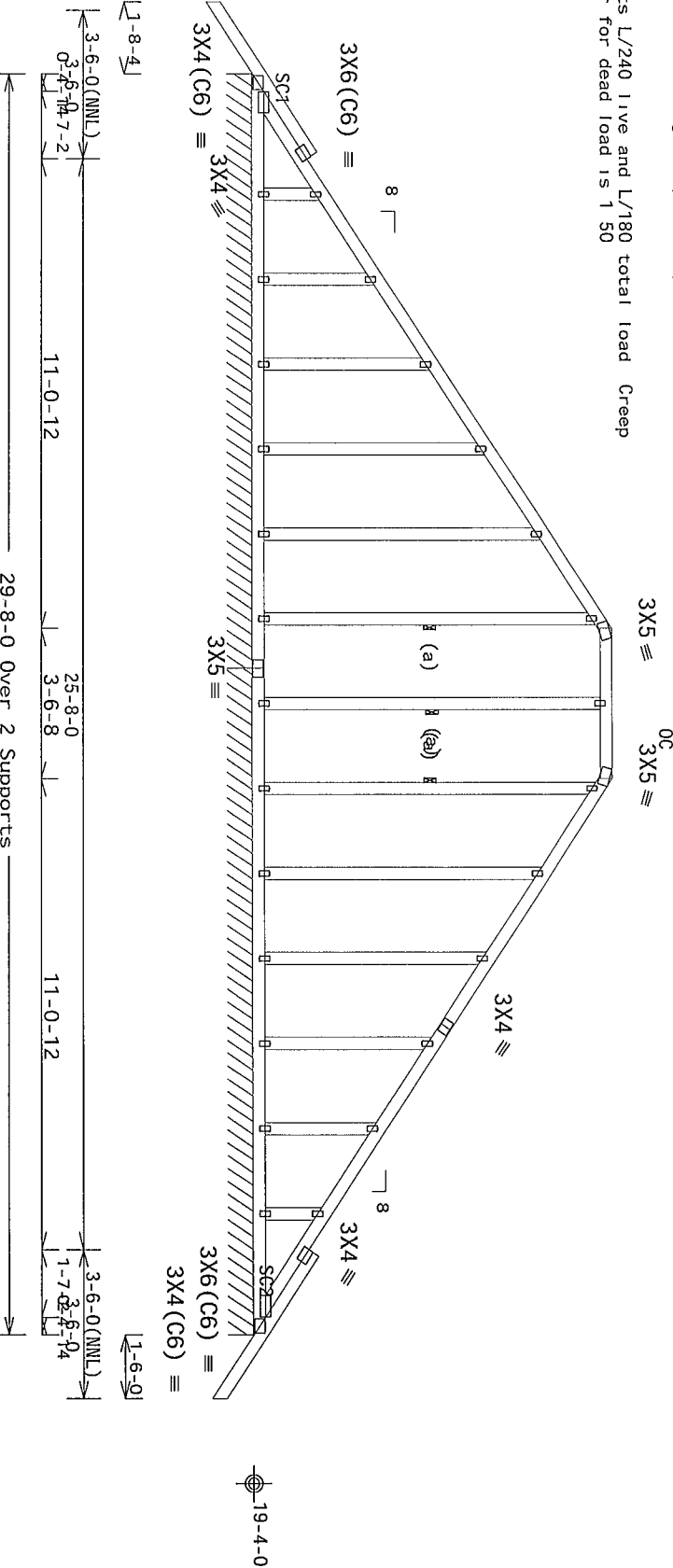
Stacked top chord must NOT be notched or cut in area (NML) Dropped top chord braced at 24 o c intervals Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24' o c Center plate on stacked/dropped chord interface, plate length perpendicular to chord length Splice top chord in notchable area using 3x6

Deflection meets L/240 live and L/180 total load Creep Increase factor for dead load is 1.50

120 mph wind, 23 32 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design

Truss spaced at 24 0' OC designed to support 2-0-0 top chord outlookers Cladding load shall not exceed 10 00 PSF Top chord must not be cut or notched

(a) Continuous lateral restraint equally spaced on member
In lieu of structural panels use purlins to brace all flat TC @ 24" OC



R=195 PLF U=29 PLF W=14-0-0
RL=26/-27 PLF

R=203 PLF U=26 PLF W=15-8-0

Note All Plates Are 1 5X3 Except As Shown
Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=10%(O%)/O(O)

QTY 1 FL/-/5/-/-/R/-

Scale = 25"/Ft.

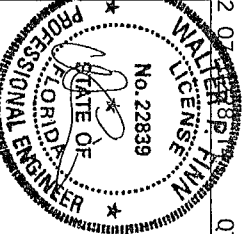
PLT TYP Wave

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating and handling in preparing and bracing. Refer to and follow the latest edition of BCS (Building Component Safety) Information by TPI and WCA for safety and handling instructions. The truss shall be properly braced and supported during erection. Unless noted otherwise, the truss shall have a properly attached and secured bracing system. The truss shall be braced and supported in accordance with the BCS section 83, 87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, installation, or bracing of trusses. Apply plates to each face of truss and post it on as shown above and on the joint. Data is unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on the drawing is required for the drawing to be valid. The seal shall be signed by the engineer or drafter. The responsibility of the building designer per ANSI/TP1-1 Section 2. For more information see the general notes page. ITW-BCG www.itwbcg.com TPI www.tpi.net WCA www.wca-industry.com This job is ITC www.itcinfo.org



TC LL	20.0 PSF	REF	R9114-17824
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HGUSR9114 14133002
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD	37.0 PSF	SEQN-	371700
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V6C487_201

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
epdown Hip)

Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1
	Webs	2x4	SP	#3

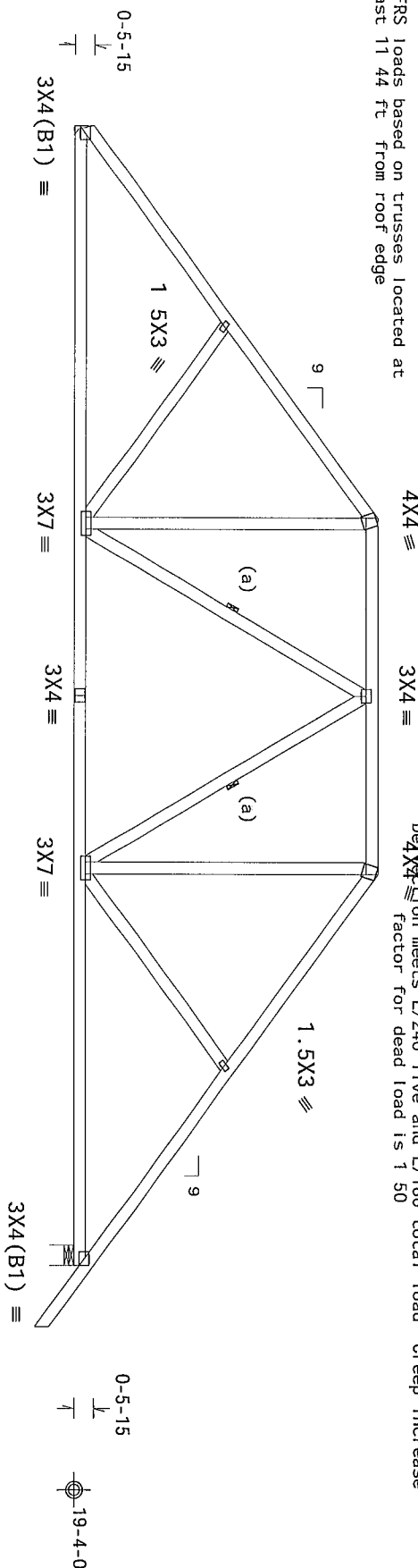
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24" OC

MMFRS loads based on trusses located at least 11 44 ft from roof edge



Creep increases
total load
live and dead load
meets L/240
factor for dead load is 1.50

These support conditions used at bearings indicated

(H1)	=	HUS26 w/	(2)2x6	SP	SS	supporting member
(14)	0	148"	x3"	nails		into supporting member,
(4)	0	148"	x3"	nails		into supported member

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Wind loads and reactions based on MMFRS with additional C&C member design

120 mph wind, 22 87 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCP1 (+/-)=0 18

R=1082 U=35
RL=154/-143
H=H1

R=1182 U=48 W=6"

PLT TYP Wave

Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

13 02 07

QTY 1 FL/-/5/-/-/R/-

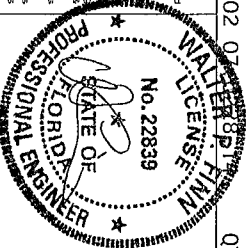
Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

-IMPROVING...
 WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET!
 PLEASE VISIT OUR DESIGN TO ALL CONNECTIONS INCLUDING INSTALLATIONS
 THE FOLLOWING INFORMATION IS FOR THE DESIGNER AND SHALL BE USED TO
 FOLLOW THE LATEST EDITION OF BCSI (Building Component Safety) and the
 practice prior to performing these functions. Installers shall provide temporary bracing per BCSI
 unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord
 shall have a properly attached r or i ceiling. Local area shown for permanent lateral restraint of web
 shall have bracing indicated per BCSI section 8.3. B7 or B10 as applicable.
 Any Bu or Ng Components Group Inc. (LIMBOD) shall not be responsible for any deviation from this design
 unless noted otherwise. Apply plates to each face of truss and post on as shown above and on the Joist
 bracing of trusses. Refer to draw ngs 160A-2 for standard plate positions. A seal on this
 drawing or cover page listing the drawing number and cases associated with process and engineering
 details, unless noted otherwise. Refer to draw ngs 160A-2 for standard plate positions. A seal on this
 the responses to the Bu or Ng Design per ANSI/TPI 1, Sec 2. For more information see
 general notes page. ITW BCG www.limbod.com TPI www.tpi.net WTC www.theindustry.com
 CC www.160a2e.org



05/13/2014

TC LL	20.0 PSF	REF	R9114- 17825
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	H05R9114 14133009
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	371443
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

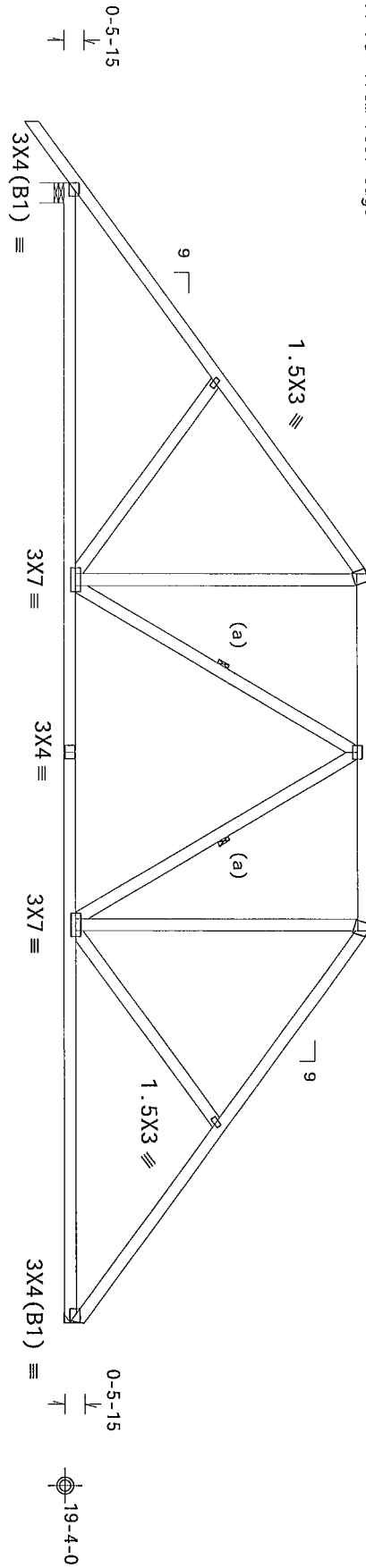
(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City F - H11A 28 Steepdown Hip)

Value Set 13B (Effective 6/1/2013)
 Top chord 2x4 SP #1
 Bot chord 2x4 SP #1
 Webs 2x4 SP #3

Lumber value set 13B uses design values approved 1/30/2013 by ALSC
 Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member
 In lieu of structural panels use purlins to brace all flat TC @ 24" OC
 Deflecting factor for dead load is 1.50

MWFRS loads based on trusses located at least 11.44 ft from roof edge



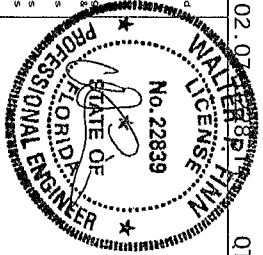
9'-7-5 8'-9-5 9'-7-5
 28'-0-0 Over 2 Supports
 R=1182 U=48 W=6"
 RL=143/-154
 R=1082 U=35
 H=H1

PLT TYP Wave Design Crit FBC2010Com/TP1-2007(STD) 13 02 07 QTY 1 FL/-/5/-/5/-/R/- Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.
 Orlando FL 32837
 FL COA #0278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET**
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
 Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and follow the latest edition of BSI (Building Component Safety Information by TPI and WTC) for safety and handling instructions. Trusses shall be stored on a flat surface and shall be braced to prevent twisting. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections B3, B7 or B10 as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TP1-1 or for handling shipping installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job site drawing or cover page. Refer to drawings 1604-2 for standard plate positions. A seal on this drawing or cover page shall be used to indicate acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TP1-1 Sec 2. For more information on seal general notes page ITW-BGS www.itwbcg.com TPI www.tpi.net.org WTC www.structure.com This Job's ICC www.iccsafe.org



TC LL	20.0 PSF	REF R9114-17826
TC DL	7.0 PSF	DATE 05/13/14
BC DL	10.0 PSF	DRW HCUSR9114 14133007
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON- 371389
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V6C487_Z01

(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City, F - H13 28' Steepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins to brace

all flat TC @ 24 OC

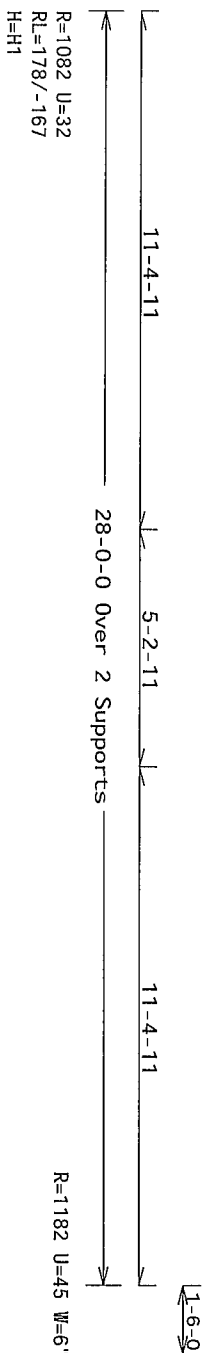
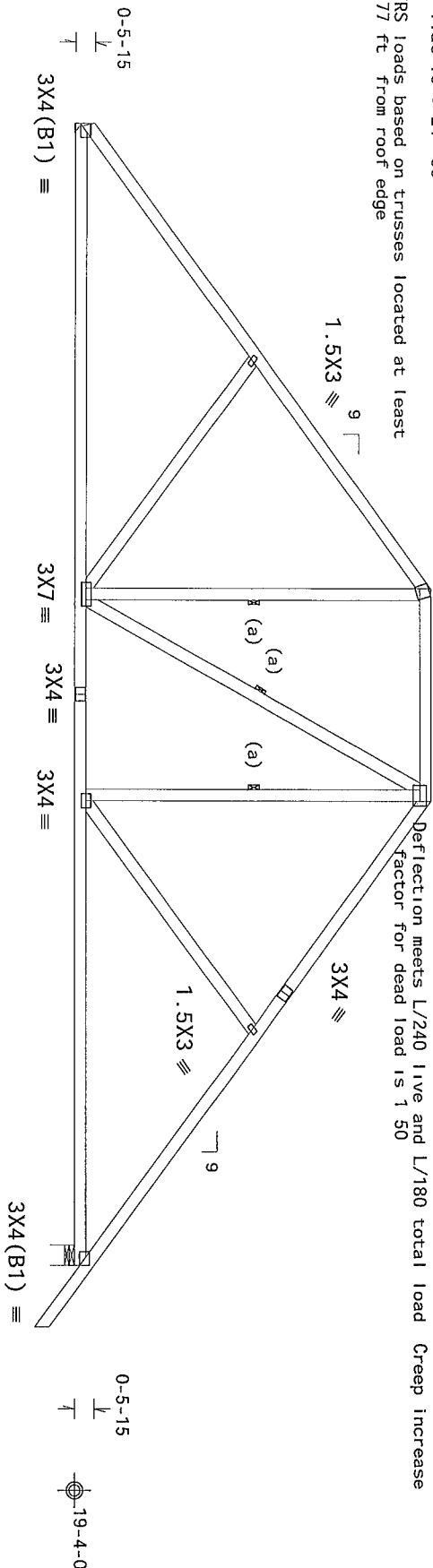
MMFRS loads based on trusses located at least 11.77 ft from roof edge

These support conditions used at bearings indicated
(H1) = HUDS26 w/ (2) 2x6 SP SS supporting member,
(14) 0 148"x3" nails into supporting member,
(4) 0 148"x3" nails into supported member

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information

Wind loads and reactions based on MMFRS with additional C&C member design

120 mph wind, 23.54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP(+/-)=0.18



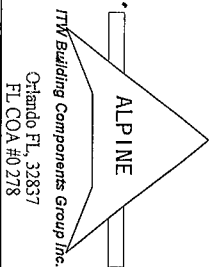
PLT TYP Wave

Design Crit. FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

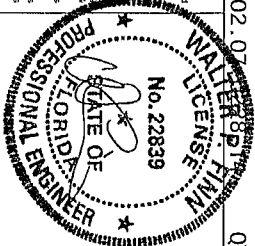
13.02.07

QTY:1 FL/-/5/-/5/-/R/-

Scale = .25"/Ft.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety Information by TPI and WCA) for safety and bracing information. Trusses are designed and manufactured under strict quality control. Unless noted otherwise, each chord shall have properly attached and secured bracing. Trusses shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any delay action from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and post on as shown above and on the joint. Do not alter or modify the design without the written approval of ITWBCG. A seal on this drawing or cover page listing this drawing indicates acceptance of process and any other information drawn from this drawing is the responsibility of the Building Designer per ANSI/TPI 1, Sec 2. For more information, this job's general notes page, ITWBCG www.itwbcg.com TPI www.tpi.net.org WCA www.wcaindustry.com ITC www.itccare.org



TC LL	20.0 PSF	REF R9114-17827
TC DL	7.0 PSF	DATE 05/13/14
BC DL	10.0 PSF	DRW HCUSR9114 14133003
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON- 371438
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V6C487_Z01

Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Lumber value set 13B' uses design values approved 1/30/2013 by ALSC

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24' OC

MMFRS loads based on trusses located at least 11 77 ft from roof edge

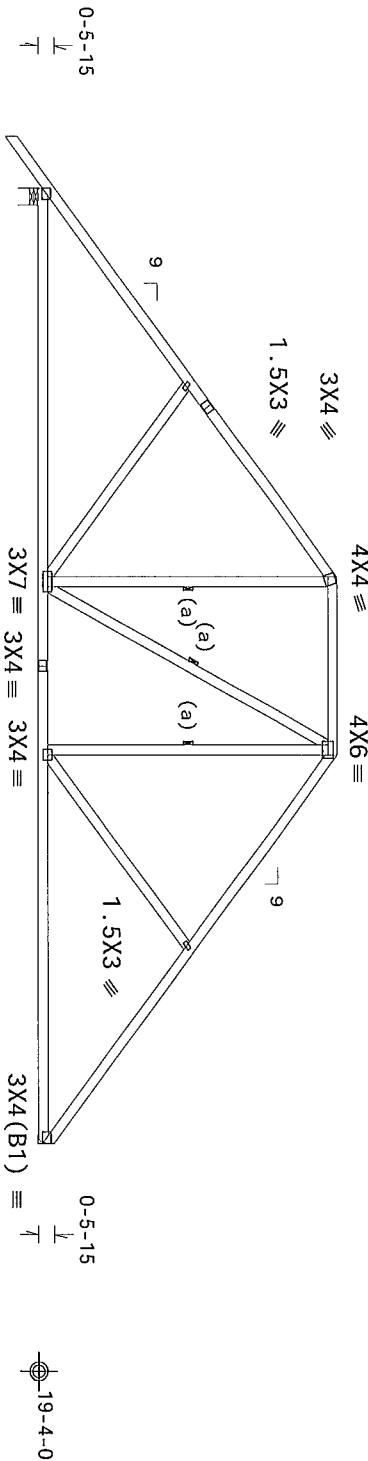
120 mph wind, 23.54 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2)2x6 SP SS supporting member
(14) 0 148"x3" nails into supporting member,
(4) 0 148"x3" nails into supported member

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



PLT TYP Wave

Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=10%(0)/0(0)

13.02.07

QTY:1

FL/-/5/-/5/-/R/-

Scale = .1875"/Ft.

ALPINE

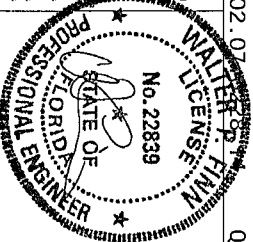
ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET!

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B9, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any damage to the building or its contents caused by the use of this design. The user of this design shall be responsible for its use and for its design for any structure. The responsibility of the building designer per ASCE/TP1 Sec 2. For more information see ITWBCG website: www.itwbcg.com



05/13/2014

TC LL	20.0 PSF	REF	R9114-17828
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCSR9114 14133041
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SECON-	371394
DUR FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
 (downward Hip Girder)

Special loads

	Dur Fac = 1.25 /	Plate Dur Fac = 1.25)
TC- (Lumber	57 pif at -1.50 to	57 pif at 6.06
TC- From	29 pif at 6.06 to	29 pif at 21.94
TC- From	57 pif at 21.94 to	57 pif at 29.50
TC- From	57 pif at 29.50 to	57 pif at 37.06

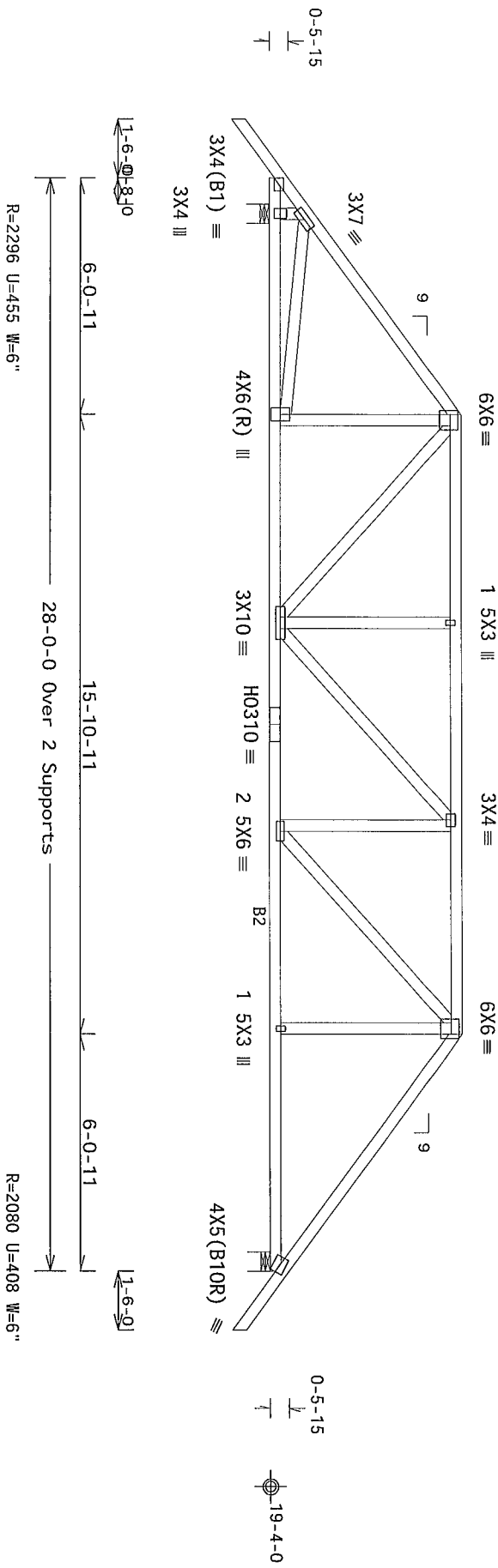
BC- From DC

BC-From	20 pif at 21 91 to	20 pif at 28 00
BC-From	5 pif at 28 00 to	5 pif at 29 50
TC-278 33 lb Conc	Load at 8 09	
TC-278 33 lb Conc	Load at 8 12	10 12 12 12 14 00

15 88,17 88,1

BC- 234 33

15 88, 17 88, 19 88, 21 91



Design Crit	FBC2010Com/TP1-2007(Std)
	FT/RT=10%(0%)/0(0)

QTY:

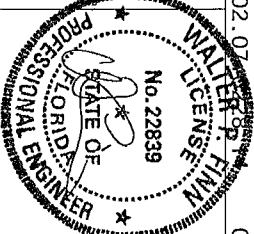
Scale = .25"/Ft

100-443887-100

ITW Building Components Group Inc

Orlando FL, 3283
FL COA #0278

ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any damage from this site or any failure to build the truss in conformance with AS/NZS 1711 or for handling/shipping/installation of the truss. Apply plates to each face of truss and post it on as shown above and on the joint between the truss members. Refer to drawings 1804-22 for stamped plate dimensions and details on this drawing. The truss shall be installed in accordance with the instructions on pages 1 and 2 of this document. The responsibility for the design, shop, erection, and use of this design for any structure is the responsibility of the user. For more information see the AS/NZS 1711 Sec 2. The job is general notes page 1711-BCG www.itwbcg.com TP1 www.tp1net.org WTC www.steelindustry.com CC www.lectra.org



05/13/2014

TC LL	20.0 PSF	REF	R9114- 17829
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUR9114 14133032
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD.	37.0 PSF	SEQN-	369853
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

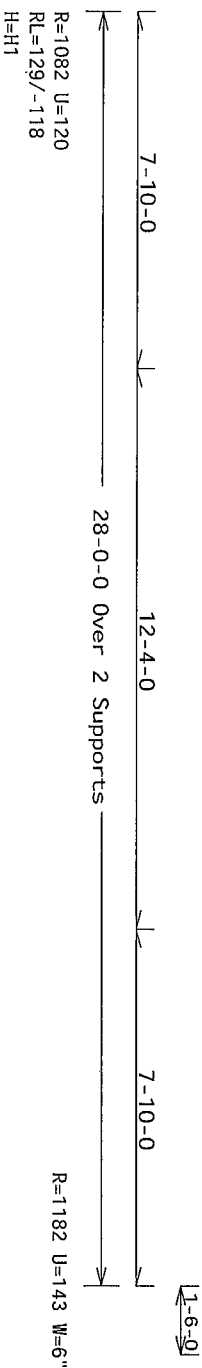
Value Set 13B (Effective 6/1/2013)

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins to brace all flat TC @ 24 OC

These support conditions used at bearings indicated
 (H1) = HUS26 w/ (2)2x6 SP SS supporting member
 (14) 0 148"x3 nails into supporting member,
 (4) 0 148 x3 nails into supported member



PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
-------------	--

13 02.07

QTY 1 FL/-/5/-/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT****

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!**

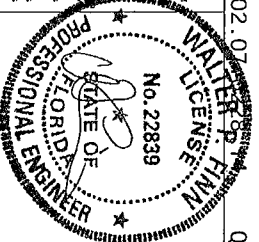
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tusness require exteme care n Fabr cting hand ng sp ng mettallng and bracing Refer to and follow the latest ed t on of BCS (Bu Id ng Component Safety Informaton by TPI and WtCA) for safety Pract ces pr or to perform ng these funct ons Install ers shall provide temporary brace ng per BCS Unles noted otherwse top cherd shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling Beak chrd shown for permanent lateral restrat nt of webbs shall have brace ng installed per BCS ed cing Beak chrd shown for permanent lateral restrat nt of webbs

IWB Bu Id ng Components Group Inc (IWBEGS) shall not be respons e for any adv ce on from th s design any l w to build the truss n conformanc w ANSI/TPI 1 or for handling sp ng installat on on the Jo nt s of the truss n unless stated othrwise. The design does not take account of the following: 1) The effect of drawing or cover plate listing plates. Refer to IWBEGS website for details of professional engineering respons b lty solely for the des gn drawing The sub t l ty and use of this des gn for any structure is the respons b lty of the Bu Id ng des gner per ANSI/TPI 1 Sec 2 For more informaton see Th s Job sh general notes page. IWB BCG www.tbcdg.com TPI www.tpinet.org WTCA www.industry.com

www.ncsaio.org

CDC



05/13/2014

TC LL	20.0 PSF	REF	R9114- 17830
TC DL	7 0 PSF	DATE	05/13/14
BC DL	10 0 PSF	DRW	H05R9114 14133013
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	371124
DUR.FAC	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEFF
Hip Jack Girder)

Special loads

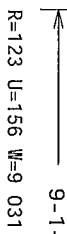
	Dur	Fac = 1	25 /	Plate	Dur	Fac = 1	25
TC-From	0 pif at	-2	26 to	56	pif at	0	00
TC-From	2 pif at	0	00 to	2	pif at	9	17
PC-From	2 pif at	3	26 to	4	pif at	0	00

BC-From	2 pif at 0 00 to	2 pif at 9 11
BC-From	2 pif at 0 00 to	2 pif at 9 11
TC-93 91 lb Conc Load at 1 15		
TC-93 91 lb Conc Load at 1 33		

TC-99	TC-69	TC-40	TC-3
98	17	78	94
1b	1b	1b	1b
Conc	Conc	Conc	Conc
Load at 6.50	Load at 4.33	Load at 3.83	Load at 1.32

BC-134	64 lb Conc	Load at 1/34
BC-14	64 lb Conc	Load at 1/15

BC-9	17	1b	Conc	Load at	1	32
BC-17	97	1b	Conc	Load at	3	83
BC-29	23	1b	Conc	Load at	4	33



Scale = .375"/Ft.

02 07 1989
WALTER P. FINN
LICENSE
No. 22839
STATE OF



Professional Engineer
State of Florida

05/13/201

05/13/2010

JKRF- 1V06401_2011

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Special loads

Special loads				
-----Lumber	Dur	Fac = 1 25 /	Plate	Dur Fac = 1 25)
Tc-From	0 pif	at -2 01	to 56 pif	at 0 00
Tc-From	2 pif	at 0 00	to 2 pif	at 9 33
Bc-From	0 pif	at -2 01	to 4 pif	at 0 00

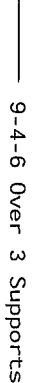
Special loads				
-----Lumber	Dur	Fac = 1 25 /	Plate	Dur Fac = 1 25)
TC- From	0 pif	at -2 01 to	56 pif	at 0 00
TC- From	2 pif	at -2 01 to	2 pif	at 9 33
BC- From	0 pif	at -2 01 to	4 pif	at 0 00
BC- From	2 pif	at 0 00 to	2 pif	at 9 33
TC- From	0 54 1b	Conc	Load at 1 40	

Special loads		Dur Fac = 1.25 /		Plate Dur Fac = 1.25	
TC-From	0 pif at -2.01 to	56 pif at	0.00		
TC-From	2 pif at 0.00 to	2 pif at	0.37		
BC-From	0 pif at -2.01 to	4 pif at	0.00		
BC-From	2 pif at 0.00 to	2 pif at	9.37		
TC-0.54 1b Conc	Load at 1.40				
TC-0.37 94 1b Conc	Load at 1.57				
TC-13.58 1b Conc	Load at 4.08				
TC-69.17 1b Conc	Load at 4.58				
TC-74.54 1b Conc	Load at 6.75				

Special loads			
	Dur	Fac = 1 25 /	Plate Dur Fac = 1 25)
TC-From	0 pif at -2 01 to	56 pif at 0 00	
TC-From	2 pif at 0 00 to	2 pif at 9 37	
BC-From	0 pif at -2 01 to	4 pif at 0 00	
BC-From	2 pif at 0 00 to	2 pif at 9 37	
TC-0 54 1b Conc	Load at 1 40		
TC-37 94 1b Conc	Load at 1 57		
TC-13 58 1b Conc	Load at 4 08		
TC-69 17 1b Conc	Load at 4 58		
TC-74 54 1b Conc	Load at 6 75		
TC-134 58 1b Conc	Load at 7 59		
BC-149 34 1b Conc	Load at 1 40		

Special loads			
	Dur	Fac = 1 25 /	Plate Dur Fac = 1 25)
TC-From	0 pif at -2 01 to	56 pif at 0 00	
TC-From	2 pif at 0 00 to	2 pif at 9 37	
BC-From	0 pif at -2 01 to	4 pif at 0 00	
BC-From	2 pif at 0 00 to	2 pif at 9 37	
TC-0 54 lb Conc	Load at 1 40		
TC-37 94 lb Conc	Load at 1 57		
TC-13 58 lb Conc	Load at 4 08		
TC-69 17 lb Conc	Load at 4 58		
TC-74 54 lb Conc	Load at 6 75		
TC-134 58 lb Conc	Load at 7 59		
BC-149 34 lb Conc	Load at 1 40		
BC-9 17 lb Conc	Load at 1 57		
BC-15 84 lb Conc	Load at 4 08		

-----Lumber		Dur	Fac = 1.25 /	Plate	Dur	Fac = 1.25)
TC-	From	0 pif	at -2.01	to	56 pif	at 0.00
TC-	From	2 pif	at 0.00	to	2 pif	at 9.37
BC-	From	0 pif	at -2.01	to	4 pif	at 0.00
BC-	From	2 pif	at 0.00	to	2 pif	at 9.37
TC-	From	0.54	lb Conc	Load at	1.40	
TC-	-37.94	lb Conc	Load at	1.57		
TC-	13.58	lb Conc	Load at	4.08		
TC-	69.17	lb Conc	Load at	4.58		
TC-	74.54	lb Conc	Load at	6.75		
TC-	134.58	lb Conc	Load at	7.59		
BC-	149.34	lb Conc	Load at	1.40		
BC-	-9.17	lb Conc	Load at	1.57		
BC-	-15.84	lb Conc	Load at	4.08		
BC-	29.23	lb Conc	Load at	4.58		
BC-	24.08	lb Conc	Load at	6.75		
BC-	60.85	lb Conc	Load at	7.59		



Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

QTY 1 FL/-/5/-/-/R/-

Scale = .375"/Ft.

1

ALTER P. FI

TC LL	20.0
-------	------

REF R9114- 17837

WALTER P. FINN
LICENSE
No. 22839

Tussocks require trussing care in fabric cutting, handling, shipping, installing and bracing. Refer to manual for details.

Follow the latest edition of one of BCSP's Building Component Safety Information by TPI and WTCA for safety practices used or to perform these functions. Installers shall provide temporary bracing per BCSP's practices noted otherwise so top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter/corbel/girdling. Locate ones shown for permanent lateral restraint of wood joists.

ITW Bu-Id ng Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this code of practice if it is found to be in conformance with ANSI/TPI-1 or for handling in any way on install site as a by-product of trusses. Apply plates to each face of truss and post on as shown above and on the Joist connections. Trusses must meet minimum requirements for drawing B06K-2 for standard plate connections. A seal on truss decking is required for all trusses. Refer to drawings B06K-2 for details.

The responsibility solely for the design, shop, erection, and installation of the truss system lies with the user of this design. For more information on how to use this design for your structure see the responses below by the Bu-Id ng Division per ANSI/TPI-1 Sec 2.

This job is
general notes page ITW-BGC www.tlweb.org TPI www.tpinet.org WTCAC www.structindustry.com

A circular professional seal for Walter P. Finn, a Professional Engineer in the State of Florida. The seal features the text "WALTER P. FINN" at the top, "PROFESSIONAL ENGINEER" at the bottom, and "STATE OF FLORIDA" in the center. The license number "No. 22839" is printed to the right of the center. A signature is written across the seal.

TC LL	20.0
TC DL	7.0
BC DL	10.0
BC LL	0.0
TOT LD.	37.0
DUR.FAC.	1.25
SPACING	24.0"

REF	R9114- 1783
DATE	05/13/14
DDRW	HCSR9114 141330
HHC-ENG	SSB/WMP
SEQN-	369842
FFROM	JMM
JREF-	1W6C487_Z0

~~05/13/2014~~

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
no Hip)

Top chord 2x4 SP #1

Bot chord 2x4 SP M-30 B2 2x4 SP #1

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

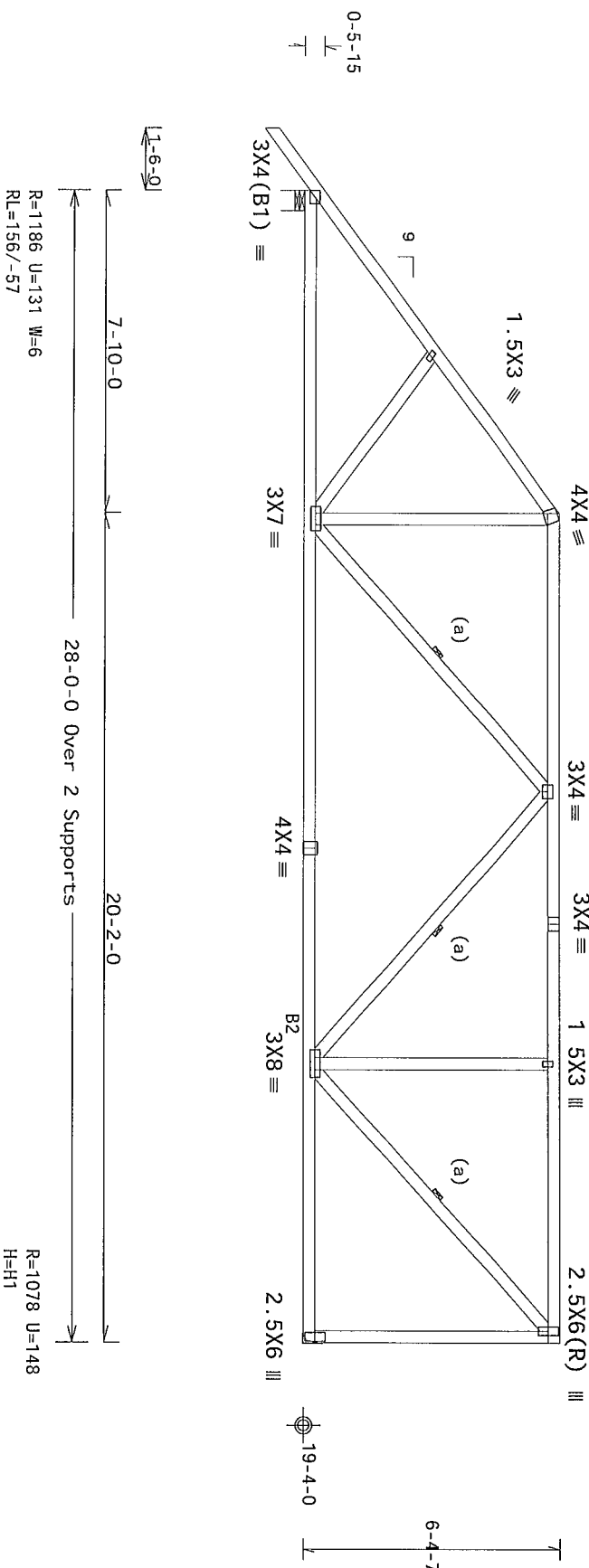
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

These support conditions used at bearings indicated (H1) = HUS26 w/ (2)2x6 SP SS supporting member

(14) 0 148"x3" nails into supporting member,
(4) 0 148"x3" nails into supported member

(4) 0 148"x3' nails into supported member

Deflection meets L/240 live and L/180 total load Creep increases factor for dead load is 1.50



PLT TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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13 02.07.2028 14

QTY 1

FL/-/5/-/-/R/-/

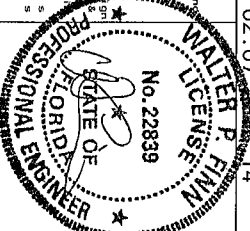
Scale = 25"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32833
FL COA #0278

IMPORTANT READ AND FOLLOW ALL NOTICES ON THIS SHEET!**
WARNING FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**
 *Tensures require extreme care in fabricating handling, shipping and bracing. Refer to any
 follow the latest edition of of BCSI (Building Component Safety) Information by TPI and WTCA for safety
 practices prior to or performing these functions. Installers shall provide temporary bracing per BCSI
 unless noted otherwise. No top chord shall have properly attached structural sheathing and bottom chord
 shall have a properly attached rigid ceiling. Lateral bracing for permanent lateral restraint of wood
 shall have bracing installed per BCSI section 8.3, 8.7 or 8.10 as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
 any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping or installing
 any truss or trusses. All other practices, including erection and post-tensioning as shown above and on the Joist
 drawing or cover page 1, are the responsibility of the contractor and are not included in this design.
 The responsibility solely for the design, shop, erection, installation and erection acceptance of professional engineering
 the responses by TPI of the Building Design portion ANSI/TPI 1 Sec 2. For more information on see
 general notes page ITW BCSI www.itwbcg.com TPI www.tpi.net.org WTCA www.sbcindustry.com
 CC www.lescape.org



05/13/2014

TC LL	20 0 PSF	REF	R9114- 17834
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HOUSE114 14133005
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	371141
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

Value Set 13B (Effective 6/1/2013)

Lumber value set "13B uses design values approved 1/30/2013 by ALSC

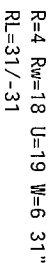
Deflection meets L/240 live and L/180 total load Creep increases factor for dead load is 1.50

Special loads

Lumber Dur Fac = 1.25 / Plate Dur Fac = 1.25
TC-From 57 pif at 0.00 to 57 pif at 2.81
TC-From 57 pif at 2.81 to 57 pif at 5.62
BC-From 4 pif at 0.00 to 4 pif at 5.62

120 mph wind, 29 32 ft mean hgt, ASCE 7-10, CLOSED bldg, located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=2 0 psf GCpl(+/-)=0 18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC



R=4 U=1 W=6 31

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
-------------	--

13.02 07 0238 14

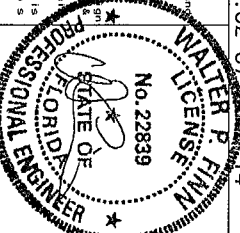
QTY.1

FL--/5/--/--/R/-

Scale = .5"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~05/13/2014~~

TC LL	20.0 PSF	REF	R9114- 17835
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133025
BC LL	0.0 PSF	HC-ENG	JB/MPP
TOT.LD	37.0 PSF	SEQN-	369390
DUR.FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V6C487_Z01

Value Set 13B (Effective 6/1/2013)

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

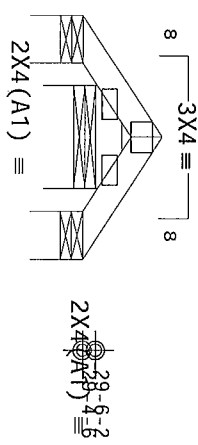
Wind loads and reactions based on MMFRS with additional C&C member design

Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50

Refer to DWG PB160100212 for piggyback details

Special loads	Dur Fac =1	25 /	Plate	Dur Fac =1	25)
-----Lumber					
TC-From	57 pif at	0 00 to	57 pif at	1 34	
TC-From	57 pif at	1 34 to	57 pif at	2 68	
BC-From	4 pif at	0 00 to	4 pif at	2 68	

120 mph wind, 29 81 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=2 0 psf GCp1(+/-)=0 18



$\begin{array}{c} \leftarrow 1-1-9 \rightarrow 0-9-5 \\ \leftarrow 0-6-13-6-13 \rightarrow \end{array}$
 $\leftarrow 2-8-3 \text{ Over } 3 \text{ Supports} \rightarrow$

R=19 U=10R#9 B#10 W=6 31"
 R=94 U=25 W=13 568"

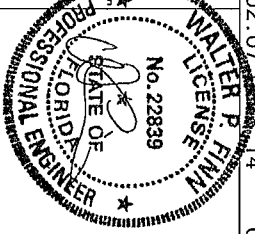
PLT TYP	Wave	Design	Crit.
		FBC2010Com	TP1-2007 (STD)
		FT/RT=10%	(0%)/0(0)

13.02.07 0328 14 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

****IMPORTANT****
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

These require extreme care in fabricating and handling, as piping installing and bracing. Refer to safety follow the latest edition of BCS1 (Building Component Safety Information on by TPI and WDA) for safety practice of pipe to performing these functions. Installers shall provide temporary bracing per BCS1 practice model shown as depicted shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS1 sections B3, B7 or B10 as applicable. Restraint of wall

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

[illegible]

FL - 37.7 - /N-		Scale = 3 / TL
TC LL	20.0 PSF	REF R9114- 17836
TC DL	7.0 PSF	DATE 05/13/14
BC DL	10.0 PSF	DRW HCURS9114 14133029
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 371137
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V6C487_Z01

(13-288E1--OWNER BUILDER /Becker Res Roof -- 337 sw rose creek drive Lake City, F - PB0G 5 7 8 Gable)
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

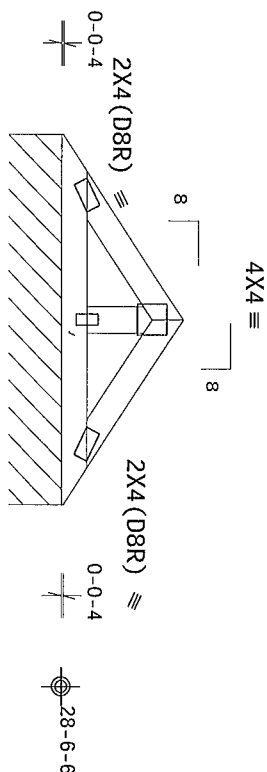
Value Set 13B (Effective 6/1/2013)
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50

Refer to DWG PB160100212 for piggyback details

120 mph wind, 29.36 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC
DL=2.0 psf GCP(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member
design
See DWGS A12030ENC100212, GBLLET10212, & GABRST100212 for more
requirements



R=60 PLF U=15 PLF W=4-0-14

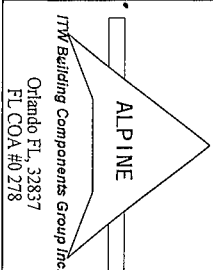
PLT TYP Wave

Design Crit FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

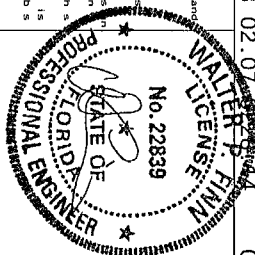
13 02.07.2014

QTY 1 FL/-/5/-/1/-/R/-

Scale =.5"/Ft.



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in handling and bracing. Refer to any future building code for truss handling and bracing. Trusses shall have a proper bracing system installed. Trusses shall have a proper bracing system installed. Trusses shall have a proper bracing system installed.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any failure to build the trusses in conformance with ANSI/TPI 1 or for handling and bracing of trusses. Apply plates to each face of truss and post on as shown above and on the Joist. Do not use any other fasteners. Refer to drawings for standard plate positions. A seal on the drawing or cover page listing the drawing number and acceptance of professional engineering is the responsibility of the Building Designer per ANSI/TPI 1, Sec 2. For more information see the general notes page. ITW-BCG www.bcg.com TPI www.tpi.org WCA www.wca.com



05/13/2014

TC LL	20.0 PSF	REF R9114-17837
TC DL	7.0 PSF	DATE 05/13/14
BC DL	10.0 PSF	DRW HCUSR9114 14133004
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD	37.0 PSF	SEQN- 369537
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
Stepdown Hip)

Special loads

	Dur Fac = 1	25 / Plate	Dur Fac = 1	25)
-----Lumber				
TC- From	57 pif at	0 00 to	57 pif at	1 78
TC- From	57 pif at	1 78 to	57 pif at	3 45
TC- From	57 pif at	3 45 to	57 pif at	5 23
BC- From	4 pif at	0 00 to	4 pif at	5 23

120 mph wind 29 04 ft mean hgt, ASCE 7-10, CLOSED bldg, Located

DL=2 0 psf GCp1(+/-)=0 18

Deflection meets L/240 live and L/180 total load Creep increases factor for dead load is 1.50

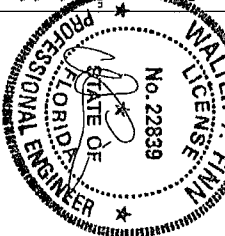


Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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1.1.1.2	100%
1.1.1.3	100%
1.1.1.4	100%
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1.1.1.11	100%
1.1.1.12	100%
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1.1.1.79	100%
1.1.1.80	100%
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1.1.1.97	100%
1.1.1.98	100%
1.1.1.99	100%
1.1.1.100	100%

QTY 2 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ITW Building Components Group Inc.

[illegible]

TC LL	20.0 PSF	REF	R9114 - 17838
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCU8R9114 141330.
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEON-	371455
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1VG6487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR
1 Common)

Special loads

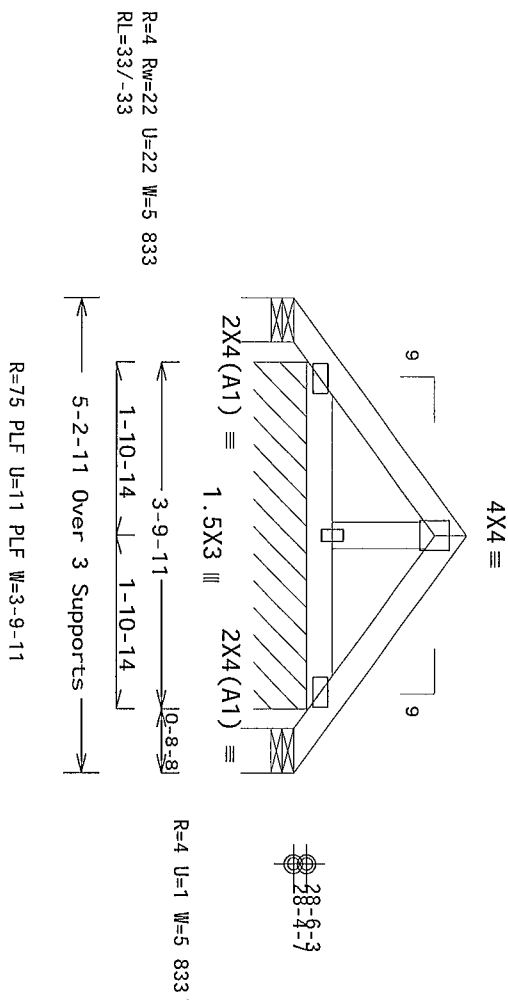
Special loads	Dur Fac = 1 25 /	Plate Dur Fac = 1 25
-----Lumber		
TC- From	57 pif at 0 00 to	57 pif at 2 61
TC- From	57 pif at 2 61 to	57 pif at 5 23
BC- From	4 pif at 0 00 to	4 pif at 5 23

120 mph wind, 29 35 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind B0
DL=2 0 psf Gcpi(+/-)=0 18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC

MMFRS loads based on trusses located at least 14 67 ft from roof edge

Refer to DWG PB160100212 for piggyback details



Design Crit. FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

13.02.07

QTY:18 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

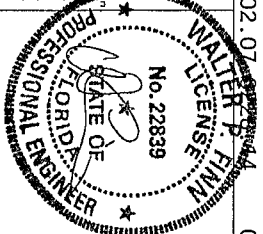
Orlando FL, 32837
FL COA #0278

IMPORTANT **URNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS**

Tusness require extra time care in fabricating and handling all piping, installing and brazing. Refer to and follow the latest edition of BCS1 (Building Component Safety) Information on by TPI and WTCO (for ASSEY practices) prior to performing any these function. Installers shall provide for temporary brace rig per BCS1 shall have properly attended prior to setting and positioning. The product is designed to be installed and bottom chord shall have bracing installed per BCS1 sections 83, 87 or 810 as appli cable.

11W Building Components Group, Inc. (11WBGS) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1 or for any hand ring any piping installation, brace rig of trusses. Apply p areas to each face of truss and position as shown above and on the Jo nt. Brace rig is unless noted otherwise. Refer to drawings 1604-2 for standard pipe posit ons. A seal on the responsible by solely for the design shown. The suitability and use of this design for any structure shall be the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job general notes page. 11W BCS1 www.tlbc.com TPI www.tpinet.org WTCO www.abcdindustry.com

11W BCS1 www.tlbc.com TPI www.tpinet.org WTCO www.abcdindustry.com



~~05/13/2014~~

IC LL	20.0 PSF	REF	R9114- 1/839
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133008
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	371452
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V6C487_Z01

Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Lumber value set '13B" uses design values approved 1/30/2013 by ALSC

Deflection meets L/240 live and L/180 total load Creep increase
Factor for dead load is 1.50

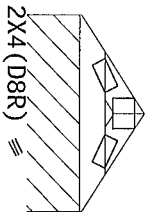
Refer to DWG PB160100212 for piggyback details

120 mph wind, 29.02 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC
DL=2.0 psf GCF(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member
design

3X4 ≡

8 8

0-0-4



0-0-4

28-6-0

2X4 (D8R) ≡

1-1-0 1-1-0

2-2-0 Over Continuous Support

R=60 PLF U=10 PLF W=2-2-0

PLT TYP Wave

Design Crit. FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

13 02.07

QTY:1 FL/-/5/-/-/R/-

Scale =.5"/Ft.

ALPINE

ITW Building Components Group Inc.

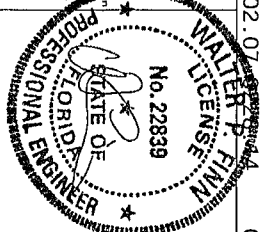
Orlando FL, 32837
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section B3 B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any device or from this design. any failure of building components. ITWBCG shall not be responsible for any device or from this design. Detailing of trusses. Apply plates to each face of truss and post on as shown above and on the Joist on this drawing or cover page 1 set in this drawing. Refer to drawings 160A-2 for standard plate positions. A seal on this response by society for the design shown. The suitability and use of this design for any structure is the responsibility of the user. ITWBCG shall not be responsible for any device or from this design. general notes page 1 ITWBCG www.itwbcg.com TPI www.tpinet.org WTCA www.wtcaindustry.com ICC www.iccactive.org



05/13/2014

TC LL	20.0 PSF	REF	R9114 - 17840
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	HCUSR9114 14133016
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT. LD	37.0 PSF	SEQN-	369621
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MECHANICAL
F - PBG1 3 8' 10 Common)

Special loads

Special loads

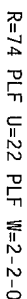
(Lumber Dur Fac = 1.25 / Plate Dur Fac = 1.25)

TC-From	57 pif at	1 86 to	57 pif at	3 72
BC-From	4 pif at	0 00 to	4 pif at	3 72

120 mph wind 28 97 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=2 0 psf GCpl (+/-)=0 18

DL=2 0 psf GCpi(+/-)=0 18

DL=2 0 psf GCpi(+/-)=0 18



Design Crit	FBC2010Com/TP1-2007(STD)	FT/RT=10%(0%)/0(0)

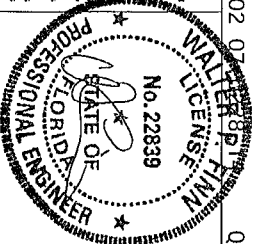
QTY 3 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ITW Binding Components Group Inc.

Orlando FL, 32837
FL COA #0278

WARNING: READ AND FOLLOW ALL NOTICES ON THIS SHEET
FOCUS IS THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses must otherwise be properly braced and supported during erection and installation. Trusses shall have bracing installed per BCSI section B3, B7 or B10 as applicable.
 Building Components Group, Inc. (BTBGCO) shall not be responsible for any delay in or from this design. Any failure to build in accordance with ANSI/TPI 1 or for handling, shipping, installing, or bracing of trusses is unless noted otherwise. Refer to drawing 180A-2 for standard placement notes. A seal on the drawing or cover page indicating the drawing and catalog acceptance of professional engineering responsibility is solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see this job's general notes page. www.btcg.com www.tlwg.com www.sdcindustry.com www.wca.net www.tpi.net www.wca.net www.sdcindustry.com www.tlwg.com www.btcg.com



05/13/2014

3 FL/-/5/-/-/R/-		Scale = .5"/Ft.	
TC LL	20 0 PSF	REF	R9114 - 17841
TC DL	7.0 PSF	DATE	05/13/14
BC DL	10.0 PSF	DRW	H05R9114 14133038
BC LL	0 0 PSF	HC-ENG	WHK/WMHK
TOT LD	37 0 PSF	SEQN-	371128
DUR FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V6C487_Z01

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

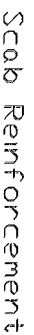
Alternative reinforcement specified in Chart below may be conservative for minimum alternative reinforcement, re-runn design with appropriate reinforcement type.

Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf	Scab Reinf
2x3 or 2x4 2x3 or 2x4	1 row 2 rows	2x4 2x6	1-2x4 2-2x4
2x6	1 row 2 rows	2x4 2x6	1-2x6 2-2x4(*)
2x8 2x8	1 row 2 rows	2x6 2x6	1-2x8 2-2x6(*)

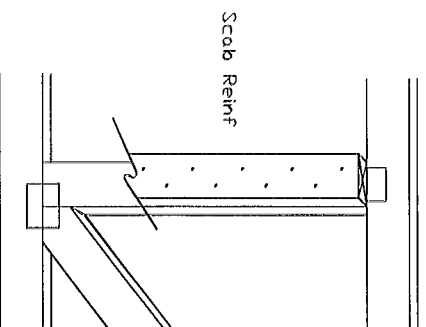
I-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

- (*) Center scab on wide face of web Apply (1) scab to each face of web

Apply to either side of web narrow Face
Attech with 10d (0.128"x30",min) nails
at 6" o.c Reinforcing member is
a minimum 80% of web
member length.



Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0" min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



TM

Earth City MO 63045

****WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING BEFORE INSTALLATION TO AVOID DAMAGE TO THE BUILDING OR THE INSTALLER.**

1. Uses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow all applicable codes and standards. The installer shall be responsible for obtaining all necessary permits prior to performing these functions. Installers shall provide temporary bracing per Section 11.05. Unless noted otherwise, no chord shall have property attached structural sheathing and bottom chord shall have a property attached rigid ceiling. Sections shown for permanent installation and bracing shall have bracing installed per Section 11.05. If not, it is acceptable. Apply plates to each face of chord and bracing as shown.

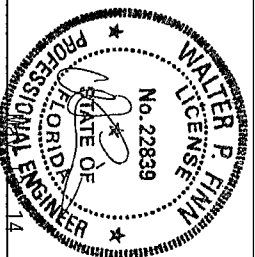
2. Refer to drawings 1504-2 for standard plate positions.

3. Refer to drawings 1504-2 for standard plate positions.

4. IJV Building Components Group Inc. shall not be responsible for any deviation from this drawing if any failure to build the truss in conformance with AISI/PSI 1, or for handling, shipping, installation or erection.

5. A seal on this drawing or cover page indicates this drawing indicates acceptance or professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the building designer per AISI/PSI 1, Section 11.05.2.2.

6. IJVBCG: usair@icg.com IPH: web@iph.com SBCIA: web@sbci.com ITC: web@itc.com



TC LL	PSF	REF	CLR Subst
TC DL	PSF	DATE	8/15/13
BC DL	PSF	DRWG	BRCLESUB00
BC LL	PSF		
TOT LD	PSF		
DUR	FAC		
SPACING			

ASCE 7-10 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_z t = 100$

Dr	100 mph	Wind Speed	15	Mean Height	Partially Enclosed, Exposure C	Kzt = 1.00
Dr	100 mph	Wind Speed	15 <td>Mean Height</td> <td>Enclosed Exposure D</td> <td>Kzt = 1.00</td>	Mean Height	Enclosed Exposure D	Kzt = 1.00

Bracing Group Species and Grades-

Group A

Sorce-Pine Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard

Douglas Fir-Larch

#3	
Stud	
Stud	
Standard	

Southern Pine**

#3	
Stud	
Stud	
Standard	

Group B

Hem-fir	
#1 & Str	
#1	

Douglas Fir-Larch

#1	
#2	

Southern Pine**

#1	
#2	

1x4 Braces shall be SPS (Stress-Rated Boards).

***For 1x4 So. Pine use only Industrial S5 or Industrial 4S Stress-Rated Boards Group B values may be used with these grades.

Wind Load deflection criterion is $L/240$.

Wind Load deflection criterion is $L/240$.

continuous bearing (5 psf TC Dead Load)

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang

So. Pine lumber design values based on the ALSC January 2012 ruling

Attach "L" braces with 10d (0.128"x3.0" min) nails

* For (1) "L" brace: space nails at 2' o.c. in 18" end zones and 4" o.c. between zones.

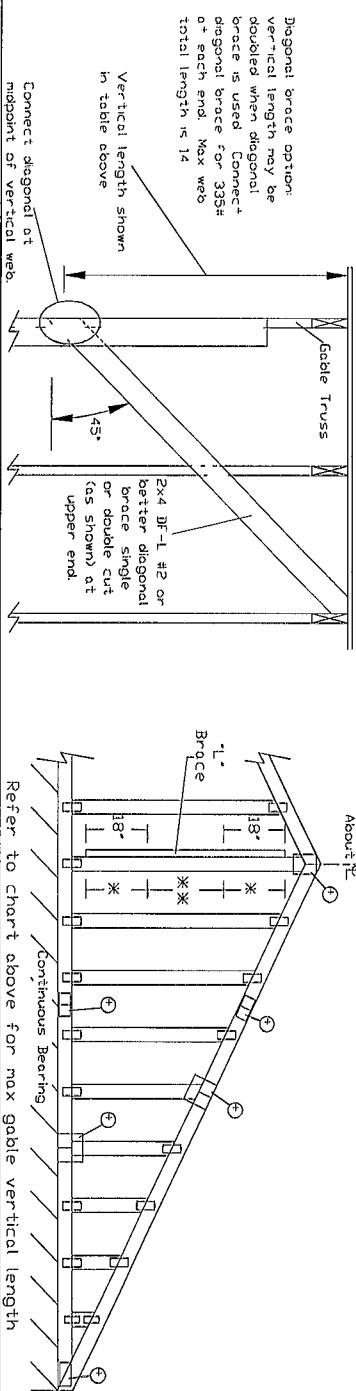
in 18" end zones and 6" o.c. between zones.

1' bracing must be a minimum of 80% of web member length.

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0" but less than 11' 6"	2X4
Greater than 11' 6"	2X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail



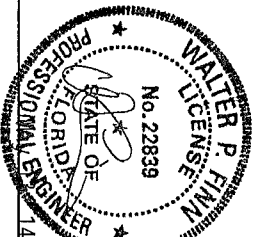
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



Building Components Group Inc.

Building Components Group Inc

Earth City MO 63045



MAX TOT LD 60 PSF

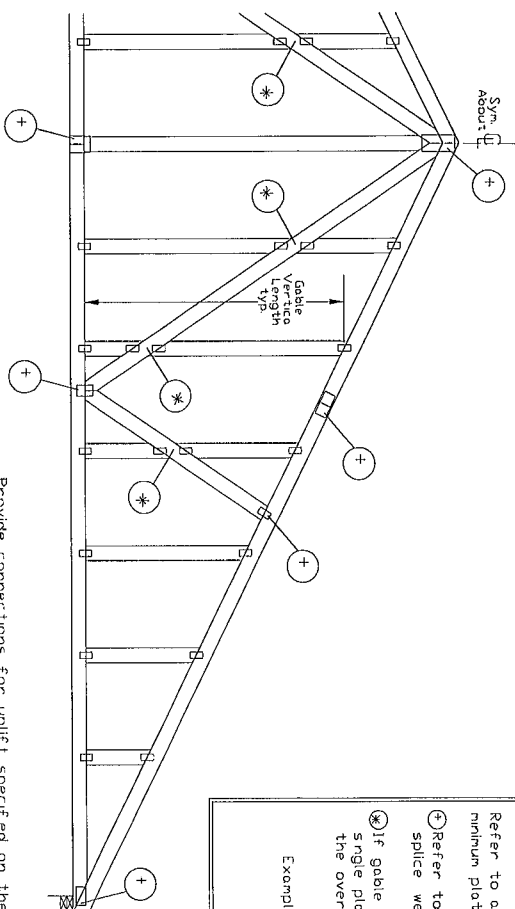
MAX SPACING 240'

REF ASCE7-10-GAB12015

DATE 2/14/12

DRWG A12015ENC100212

Gable Detail For Let-in Verticals

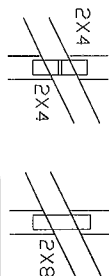


Gable Truss Plate Sizes

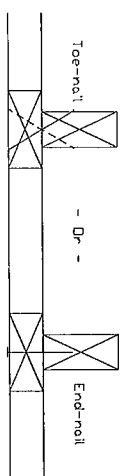
Refer to appropriate ITW gable detail for minimum plate sizes for vertical studs

- ① Refer to Engineered truss design for peak splice web and heel plates
- ② If gable vertical plates overlap use a single plate that covers the total area of the overlapped plates to span the web

Example



'T' Reinforcement Attachment Detail



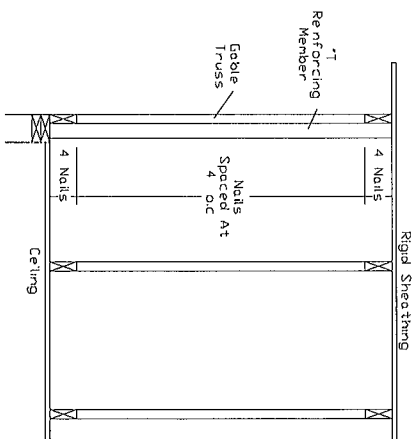
To convert from 'L' to 'T' reinforcing members multiply 'T' increase by length (based on appropriate ITW gable detail)

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord
'T' reinforcing member material must match size specie and grade of the 'L' reinforcing member

'T' Reinf Mbr Size	'T' Increase
2x4	30 %
2x6	20 %

Example
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24' o.c SP #3
'T' Reinforcing Member Size = 2x4
'T' Brace Length (from Above) = 30' = 1.30
(1) 2x4 'L' Brace Length = 8' 7"
Maximum 'T' Reinforced Gable Vertical Length 1.30 x 8' 7" = 11' 2"

See appropriate ITW gable detail for maximum unreinforced gable vertical length



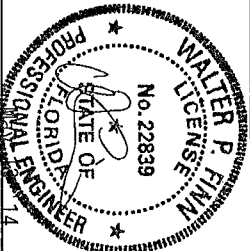
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MAX TOT LD	60 PSF
DUR FAC	ANY
MAX SPACING	24 0"

REF	LET-IN VERT
DATE	2/16/12
DRWG	GBLLETIND212

05/13/2014

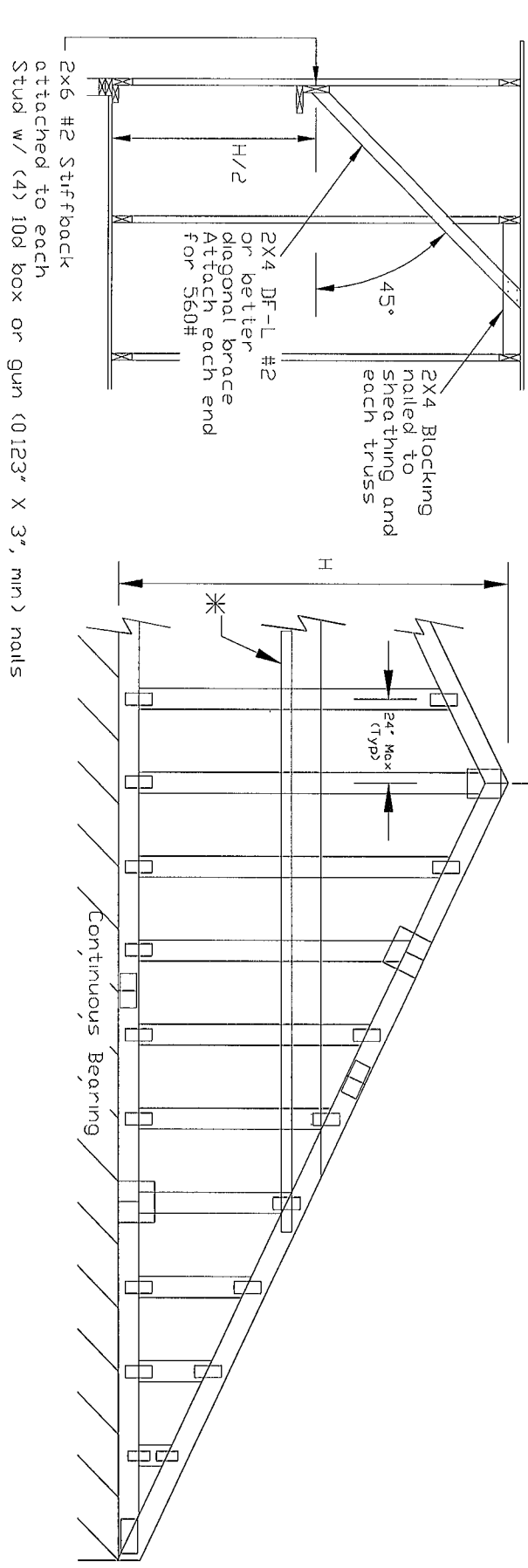
ASCE 7-10 120 mph, 30' Mean Height, Closed, Exposure C Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph, 30ft Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30ft Mean Hgt, ASCE 7-10, Enclosed, Exp D or
100 mph, 30ft Mean Hgt, ASCE 7-10, Part Enclosed, Exp C,
Kzt = 1.00 Wind TC DL=50 psf, Wind BC DL=50 psf

Lateral chord bracing requirements
Top Continuous roof sheathing
Bot Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail
for lumber, plates and other information not shown
on this detail

Nails 10d box or gun (0.128"x3",min) nails



H Less than 4'6" no stud bracing required

H Greater than 4'6" to 7'6" in length
provide a 2x6 stiffback at mid-height and brace stiffback
to roof diaphragm every 6'0" (see detail below or
refer to DRWG A12030ENC100212)

H Greater than 7'6" to 12'0" max
provide a 2x6 stiffback at mid-height and brace
to roof diaphragm every 4'0" (see detail below or
refer to DRWG A12030ENC100212)

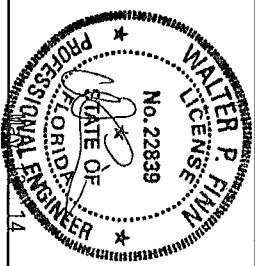
*Optional 2x L-reinforcement attached
to stiffback with 10d box or gun
(0.128" x 3", min) nails @ 6" o c



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING.
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ACES (Building Component Sealing and Anchoring) for every detail and practice prior to performing these functions. Installers shall provide temporary bracing per ACES. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall be used unless otherwise noted. All bracing shall be installed in accordance with the details shown on each set of truss and position as shown above and on the joint details unless noted otherwise. Refer to drawings 150A-Z for standard plate positions.
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REF	GE	WHALES
DATE	2/14/12	
DRWG	GABRST100212	
MAX TDT	LD 60 PSF	
MAX SPACING		

